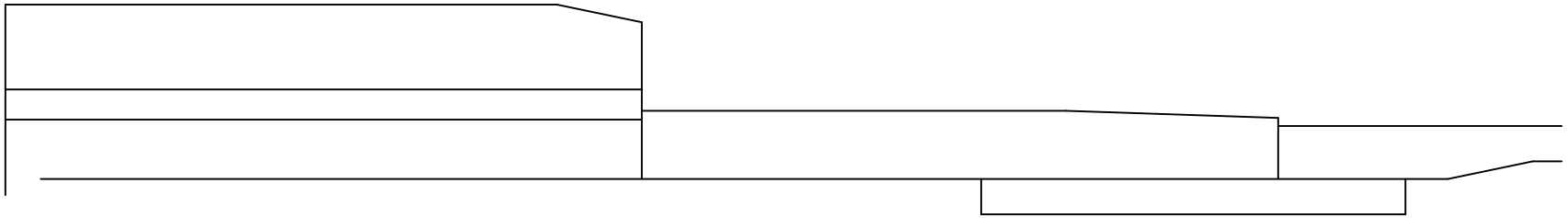
CELL	DESCRIPTION	GROUP
P00001	Bridge approach slab elevation	Full scale objects
P00002	Integral abutment drainage elevation	Full scale objects
P00003	Steel plate beam guardrail section	Full scale objects
P00004	Steel sheet piling	Full scale objects
P00005	Type 5 traffic barrier terminal elevation	Full scale objects
P00006	Type 5 traffic barrier terminal plan, Rt.	Full scale objects
P00007	Type 6 traffic barrier terminal elevation	Full scale objects
P00008	Type 6 traffic barrier terminal plan, Rt.	Full scale objects
P00020	Curve data	Information
P00021	Design Specifications	Information
P00022	Design stresses	Information
P00023	Highway classification	Information
P00024	Loading	Information
P00025	Seismic Data	Information
P00030	Design scour elevation table	Information
P00031	Location sketch	Information
P00032	Waterway information table, bridge and culvert	Information
P00033	Waterway information table, bridge and overflow	Information
P00034	Waterway information table, bridge, large	Information
P00040	Section thru integral abutment for PPC beams	Abutment sections
P00041	Section thru integral abutment for steel beams or girders	Abutment sections
P00042	Section thru pile supported stub abutment for PPC beams	Abutment sections
P00043	Section thru pile supported stub abutment for steel beams or girders	Abutment sections
P00044	Section thru semi-integral abutment for PPC beams	Abutment sections
P00045	Section thru semi-integral abutment for steel beams or girders	Abutment sections
P00046	Riprap for section thru abutment	Slope treatment for abut sect.
P00047	Slopewall for section thru abutments	Slope treatment for abut sect.
P00048	Section Thru Filled Vaulted Abutment	Abutment sections
P00050	Toe stone riprap treatment for stream crossings	Slope treatment
P00051	Flank stone riprap treatment for stream crossings	Slope treatment
P00052	Section thru bituminous coated aggregate slopewall	Slope treatment
P00053	Section at edge of bituminous coated aggregate slopewall	Slope treatment
P00054	Section thru concrete slopewall (from stub abutment)	Slope treatment

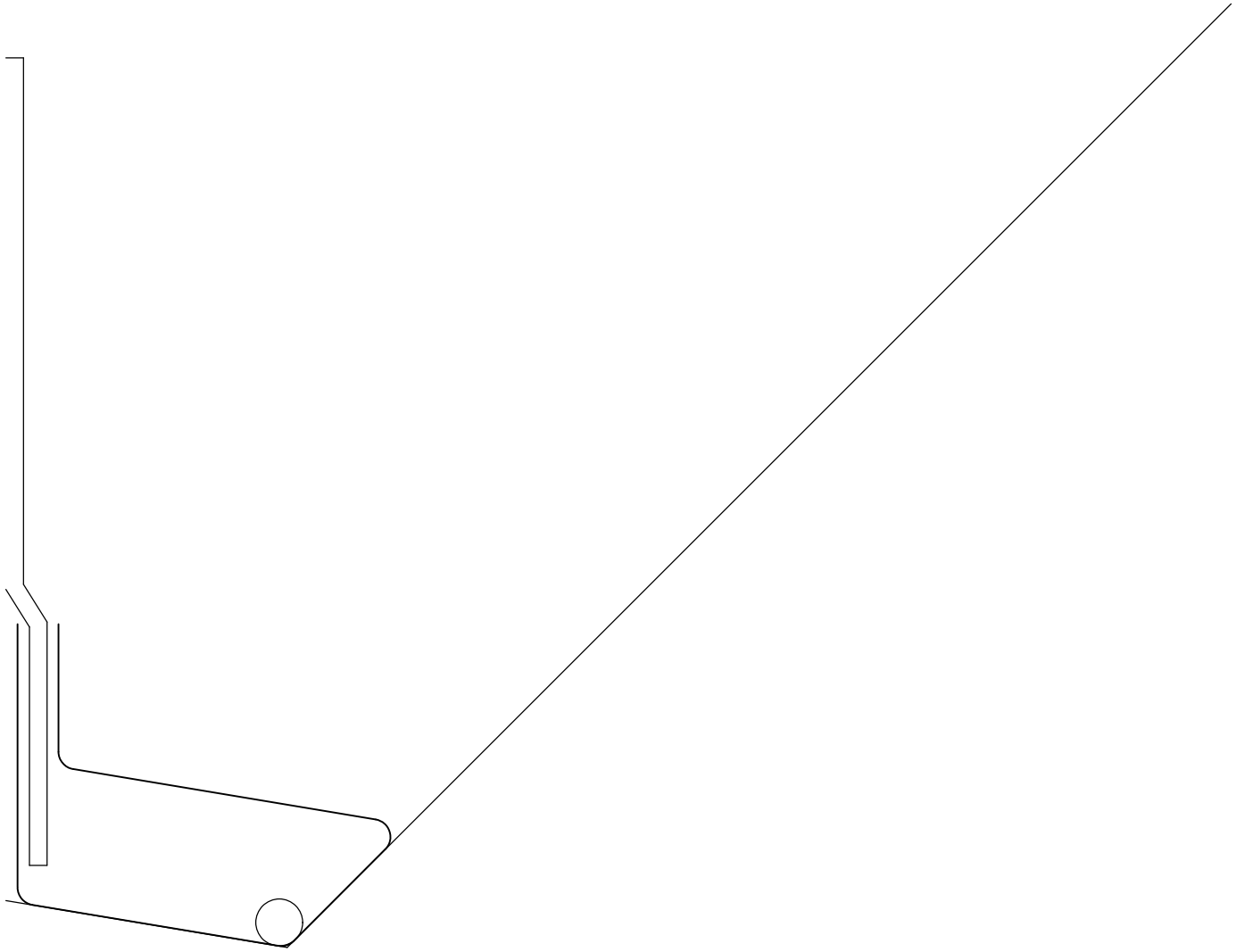
CELL	DESCRIPTION	GROUP
P00055	Section thru concrete slopewall (from integral abutment)	Slope treatment
P00056	Section at edge of concrete slopewall	Slope treatment
P00060	Railing end treatment elevation for type 5 terminal and aluminum railing	Special rail treatment
P00061	Railing end treatment elevation for type 6 terminal and aluminum railing	Special rail treatment
P00062	Railing end treatment section for type 5 terminal and aluminum railing	Special rail treatment
P00063	Railing end treatment section for type 6 terminal	Special rail treatment
P00064	Railing end treatment elevation for type 6 terminal and bridge fence or parapet railing	Special rail treatment
P00070	MSE wall with CIP coping section	Walls
P00071	Soldier pile wall with concrete facing section	Walls
P00077	Multiple round column grade separation pier sketch (3)	Piers
P00078	Multiple round column grade separation pier sketch (4)	Piers
P00079	Multiple round column grade separation pier sketch (5)	Piers
P00080	Solid, spread footing pier sketch	Piers
P00081	Solid, battered, spread footing pier sketch	Piers
P00082	Solid, with cap and spread footing pier sketch	Piers
P00083	Single hammerhead pier sketch	Piers
P00084	Double hammerhead pier sketch	Piers
P00085	2 column pier sketch	Piers
P00086	3 column pier sketch	Piers
P00087	4 column pier sketch	Piers
P00088	2 column trapezoidal pier sketch	Piers
P00089	Solid hammerhead pier sketch	Piers
P00090	2 column trapezoidal pier with spread footing sketch	Piers
P00091	3 column trapezoidal pier with spread footing sketch	Piers
P00092	4 column trapezoidal pier with spread footing sketch	Piers
P00093	5 column trapezoidal pier with spread footing sketch	Piers
P00094	2 bay railroad pier with round columns sketch	Piers
P00095	3 bay railroad pier with round columns sketch	Piers
P00096	4 bay railroad pier with round columns, modified, sketch	Piers
P00097	5 bay railroad pier with round columns sketch	Piers
P00098	Encased pile bent pier sketch	Piers
P00099	Pile bent pier sketch	Piers
P00100	Individually encased pile bent pier sketch	Piers

CELL	DESCRIPTION	GROUP
P00110	Safety walk and parapet removal details	Retrofit
P00111	Parapet retrofit detail	Retrofit

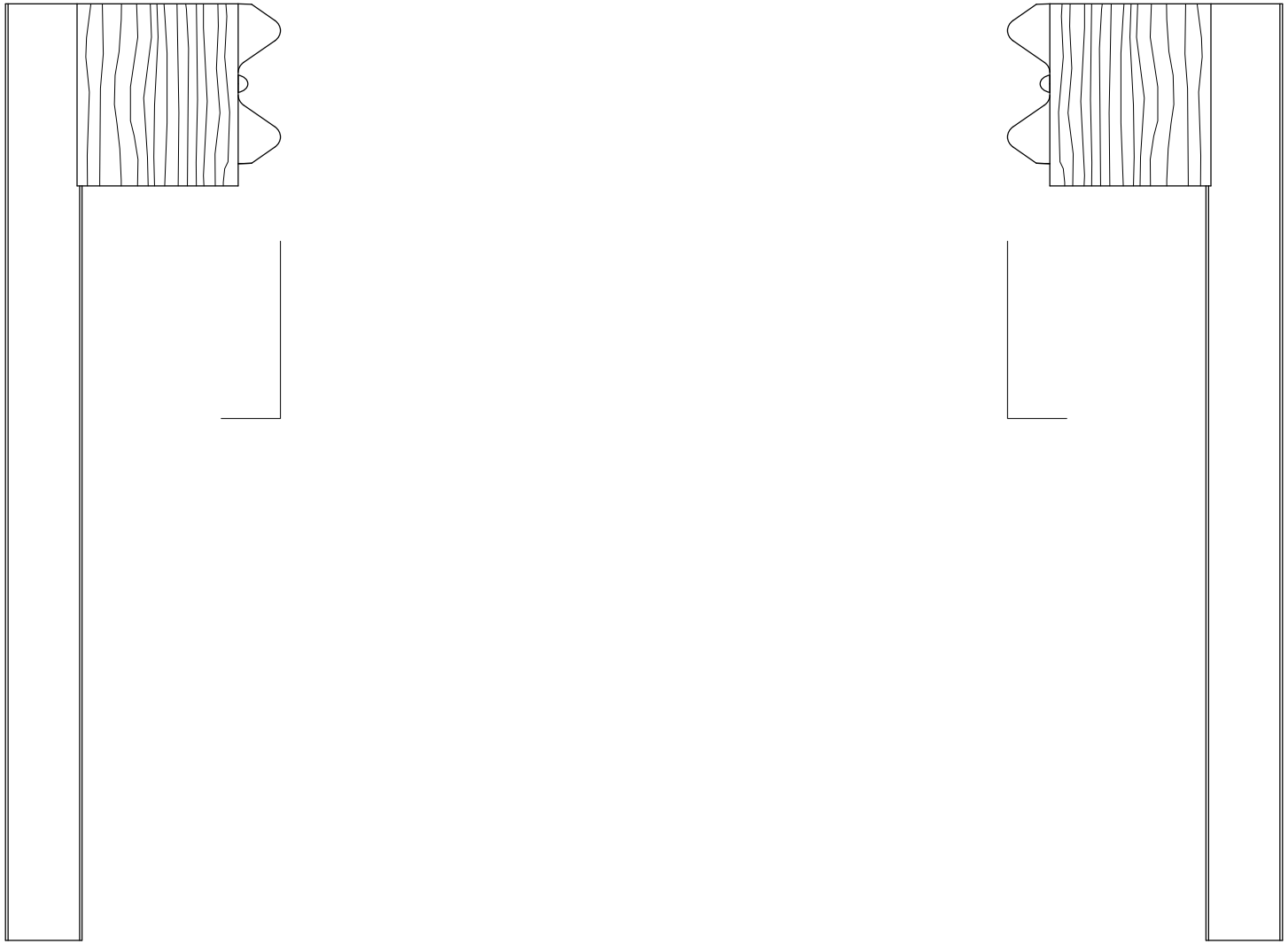
Cell Name: P00001
Descrip: Bridge approach slab elevation



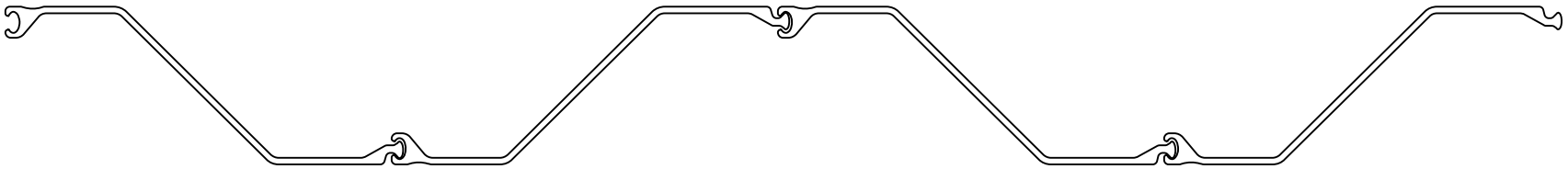
Cell Name: P00002
Descrip: Integral abutment drainage elevation



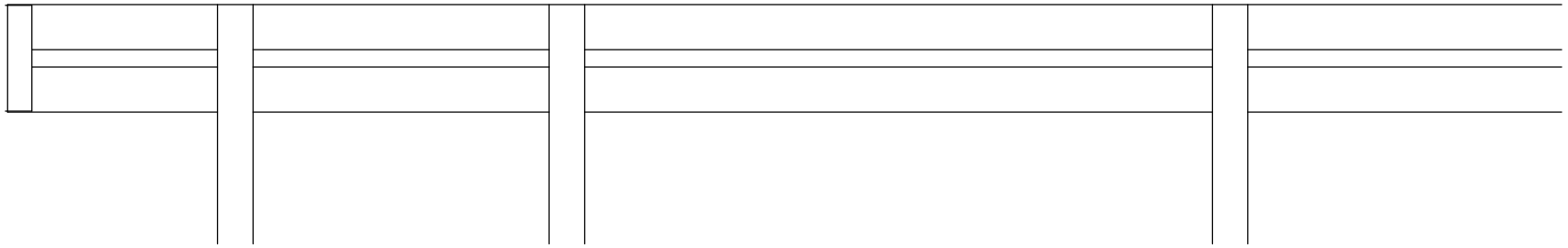
Cell Name: P00003
Descrip: Steel plate beam guardrail section



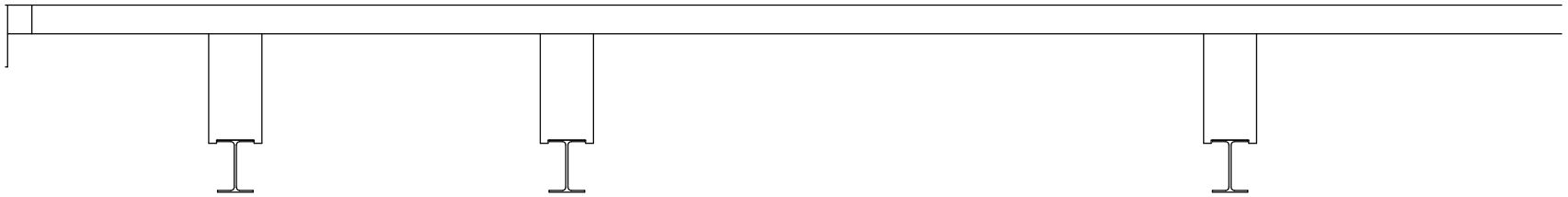
Cell Name: P00004
Descrip: Steel sheet piling



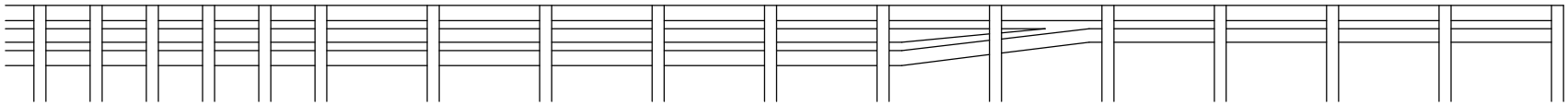
Cell Name: P00005
Descrip: Type 5 traffic barrier terminal elevation



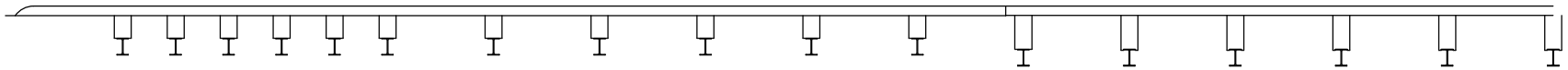
Cell Name: P00006
Descrip: Type 5 traffic barrier terminal plan, Rt



Cell Name: P00007
Descrip: Type 6 traffic barrier terminal elevation



Cell Name: P00008
Descrip: Type 6 traffic barrier terminal plan, Rt.



Cell Name: P00020
Descrip: Curve data

CURVE DATA

P.I. Sta. =
Δ =
D =
R =
T =
L =
E =
e =
T.R. =
S.E. Run =
P.C. Sta. =
P.T. Sta. =

Cell Name: P00021
Descrip: Design Specifications

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

Cell Name: P00022
Descrip: Design stresses

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi

fy = 60,000 psi (Reinforcement)

fy = 50,000 psi (M270 Grade 50)

Cell Name: P00023
Descrip: Highway classification

HIGHWAY CLASSIFICATION

Rte. – Rte.

Functional Class:

ADT: (20); (20)

ADTT: (20); (20)

DHV:

Design Speed: m.p.h.

Posted Speed: m.p.h.

-Way Traffic

Directional Distribution:

Cell Name: P00024
Descrip: Loading

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

Cell Name: P00025
Descrip: Seismic Data

SEISMIC DATA

Seismic Performance Zone (SPZ) =
Design Spectral Acceleration at 1.0 sec. (SD1) =
Design Spectral Acceleration at 0.2 sec. (SDS) =
Soil Site Class =

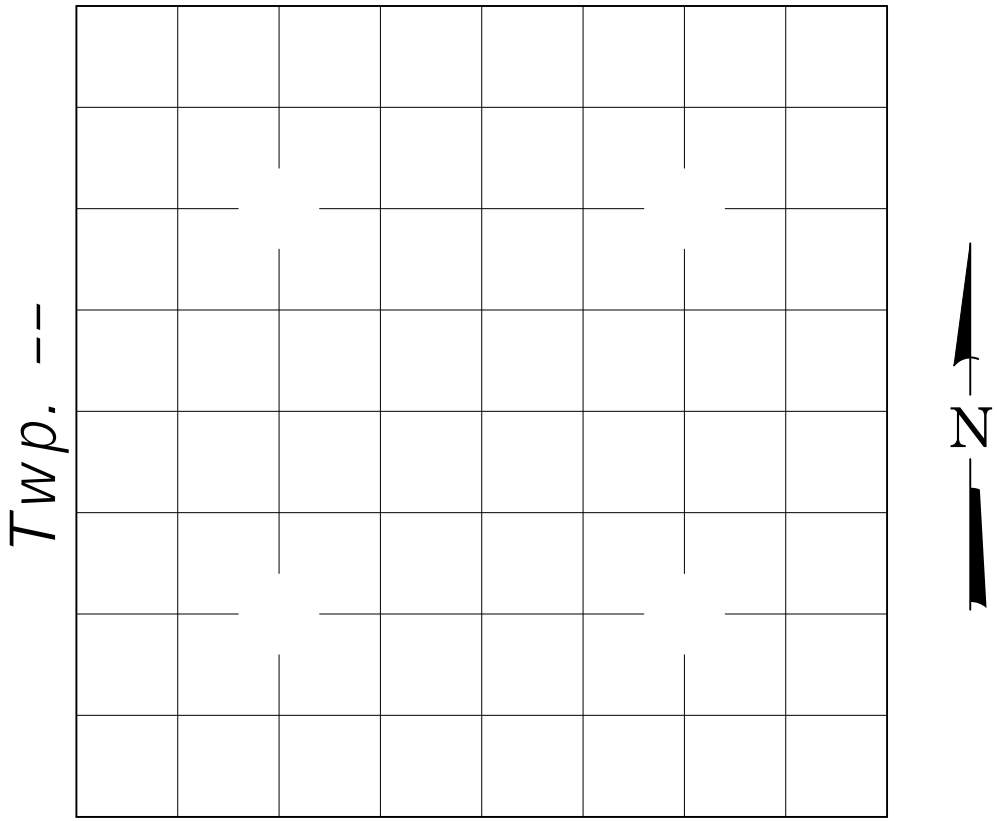
Cell Name: P00030
Descrip: Design scour elevation table

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)				
	–. Abut.	Pier –	Pier –	–. Abut.	Item 113
Q100					
Q200					
Design					
Check					

Cell Name: P00031
Descrip: Location sketch

Range --, --- P.M.



LOCATION SKETCH

Cell Name: P00032
Descrip: Waterway information table, bridge and culvert

WATERWAY INFORMATION

Drainage Area = –			Low Grade Elev. – @ Sta. –						
Flood	Freq. Yr.	Q C.F.S.	Opening Ft^2		Nat. H.W.E.	Head – Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10								
Design									
Base	100								
Overtopping									
Max. Calc.	500								

Cell Name: P00033
Descrip: Waterway information table, bridge and overflow

WATERWAY INFORMATION

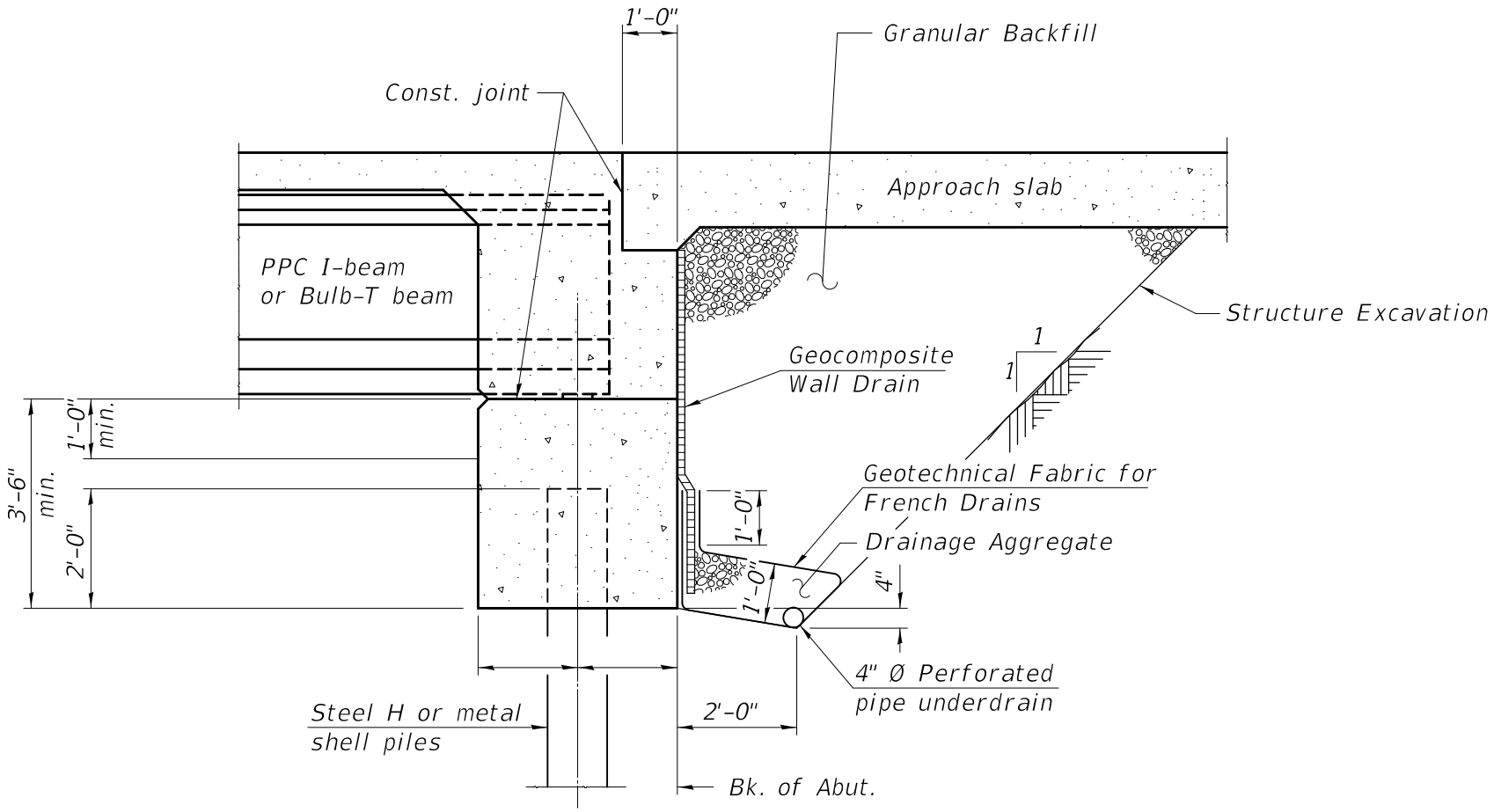
Drainage Area = –			Low Grade Elev. – @ Sta. –							
Flood		Freq. Yr.	Q C.F.S.	Opening Ft²		Nat. H.W.E.	Head – Ft.		Headwater El.	
				Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
		10								
Base Design	Main Channel									
	Overflow									
	Total									
Base	Main Channel	100								
	Overflow									
	Total									
Maximum or Over-topping	Main Channel									
	Overflow									
	Total									

Cell Name: P00034
Descrip: Waterway information table, bridge, large

WATERWAY INFORMATION

Drainage Area = –			Low Grade Elev. – @ Sta. –							
Flood		Freq. Yr.	Q C.F.S.	Opening Ft^2		Nat. H.W.E.	Head – Ft.		Headwater El.	
				Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design										
Base										
Overtopping										

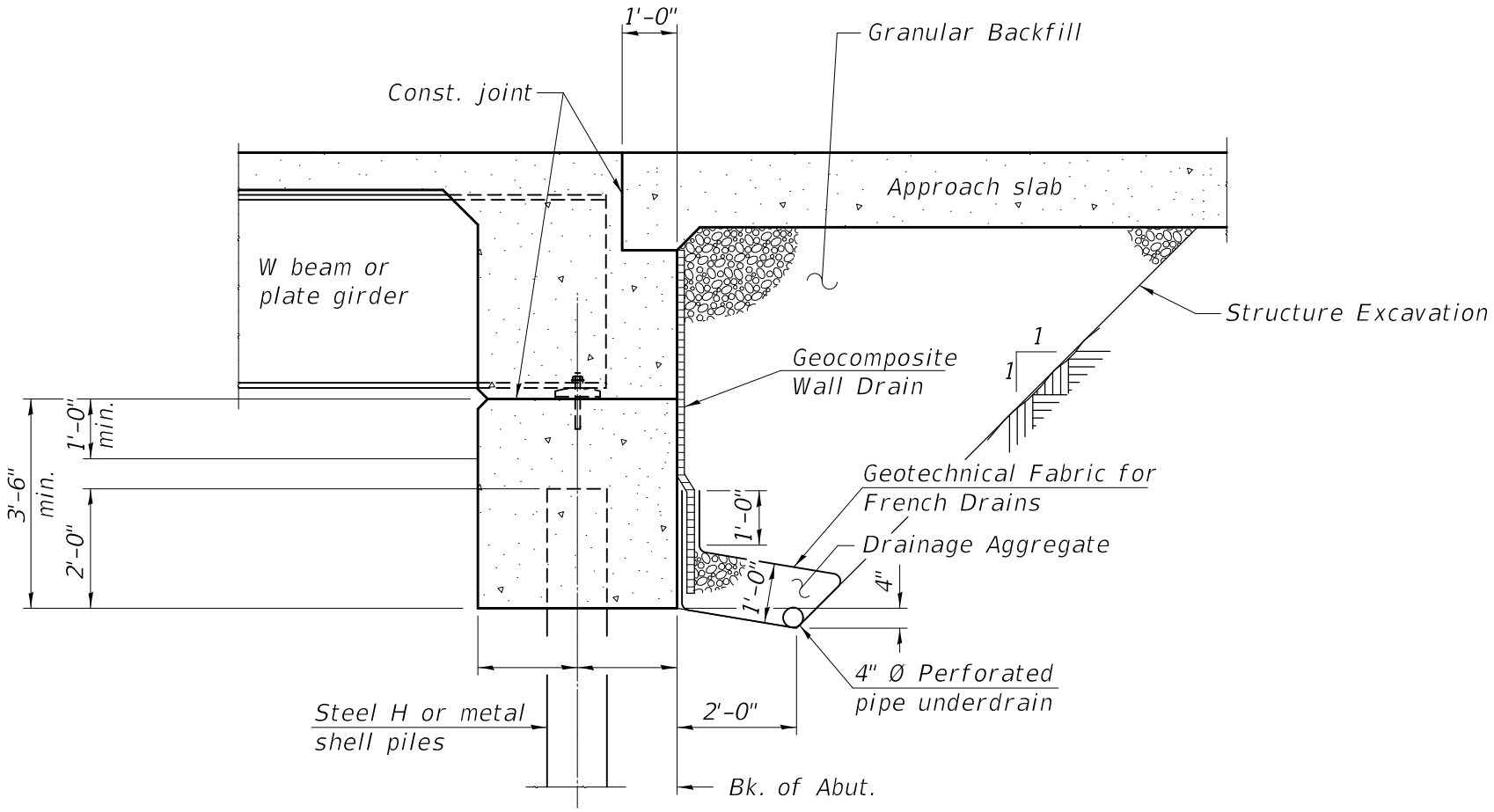
Cell Name: P00040
Descrip: Section thru integral abutment for PPC beams



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. ∠'s)

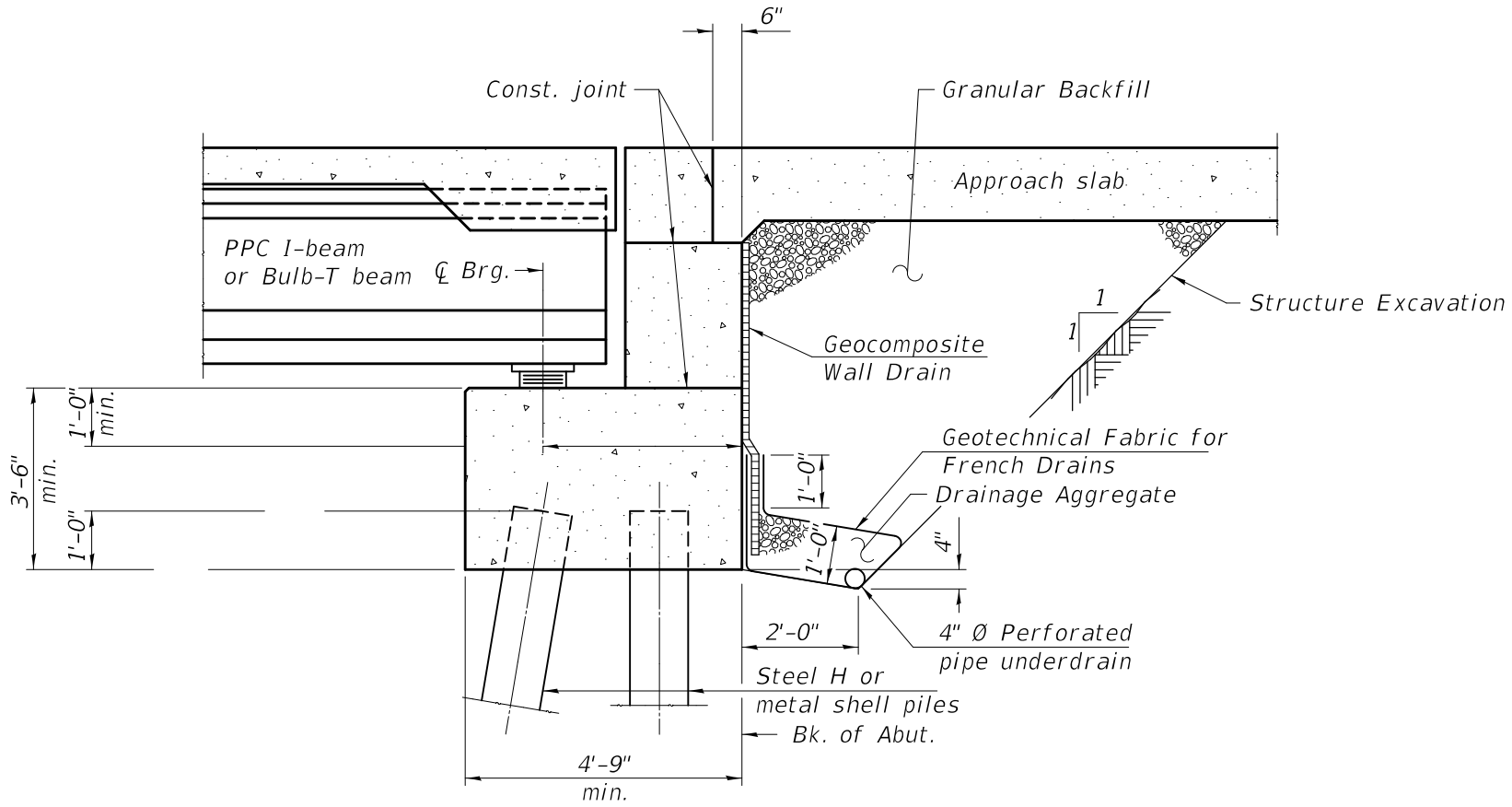
Cell Name: P00041
Descrip: Section thru integral abutment for steel beams or girders



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. ∠'s)

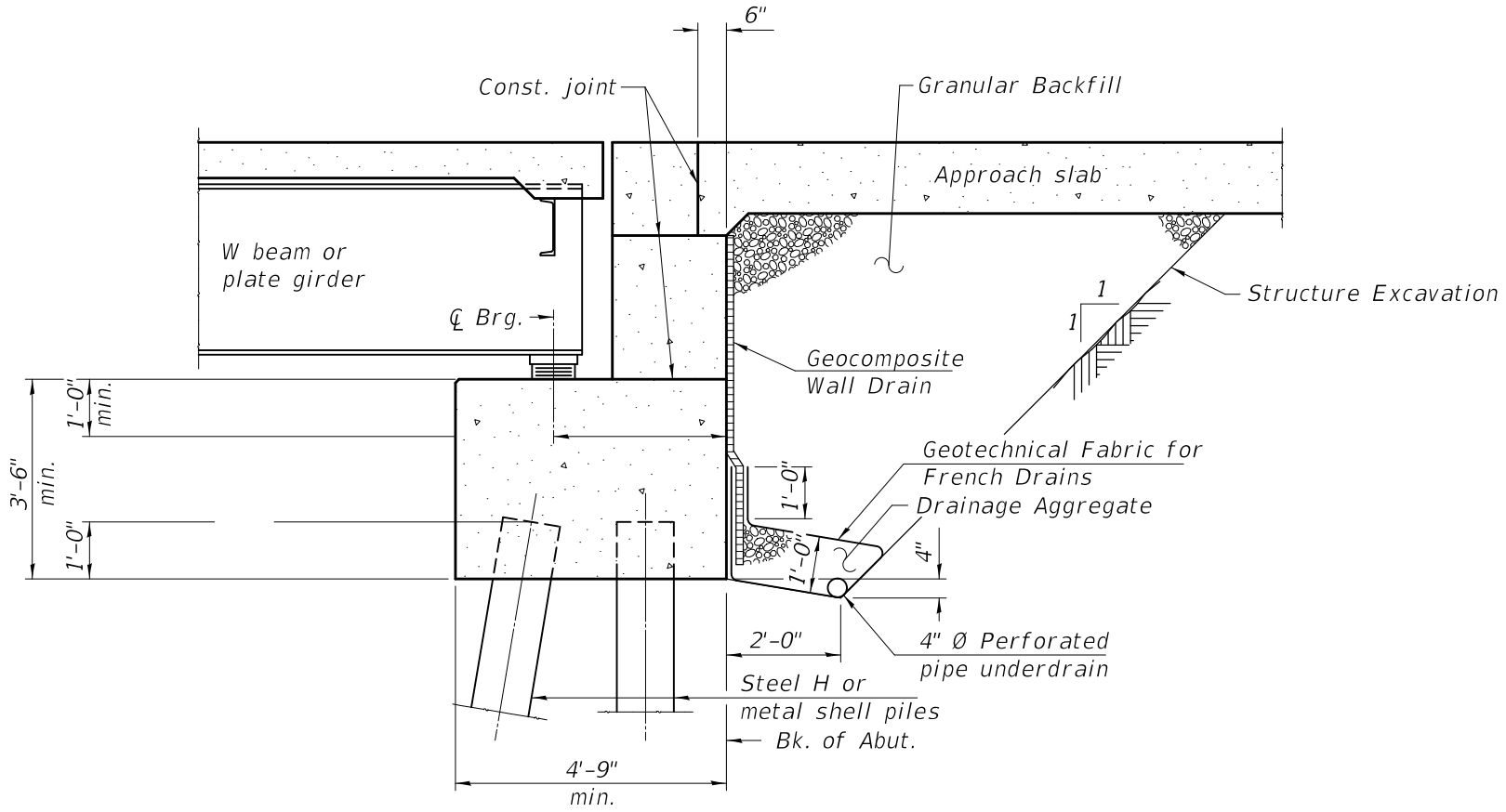
Cell Name: P00042
Descrip: Section thru pile supported stub abutment for PPC beams



SECTION THRU PILE SUPPORTED STUB ABUTMENT

(Horiz. dim. @ Rt. ∠'s)

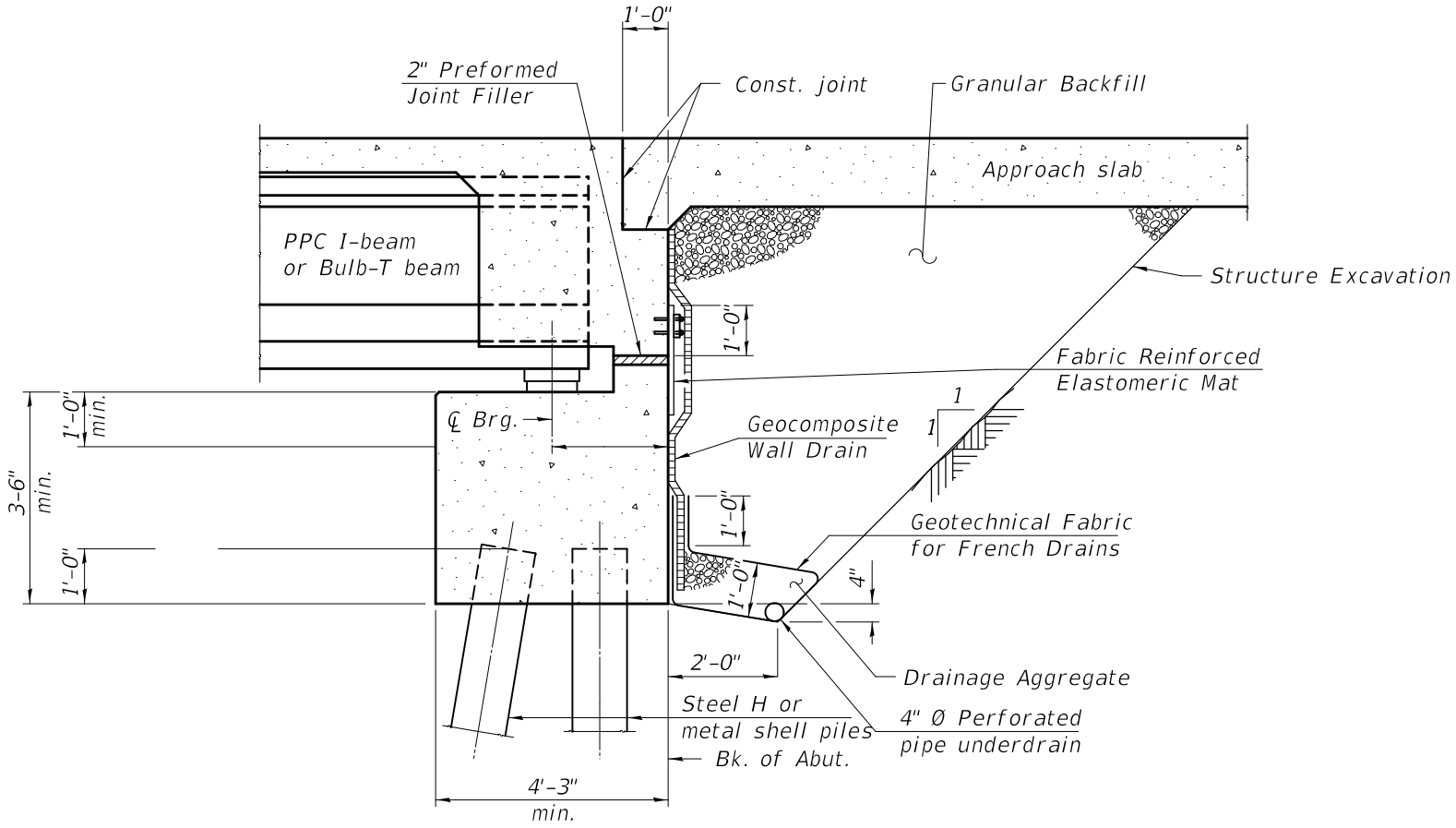
Cell Name: P00043
Descrip: Section thru pile supported stub abutment for steel beams or girders



SECTION THRU PILE SUPPORTED STUB ABUTMENT

(Horiz. dim. @ Rt. ∠'s)

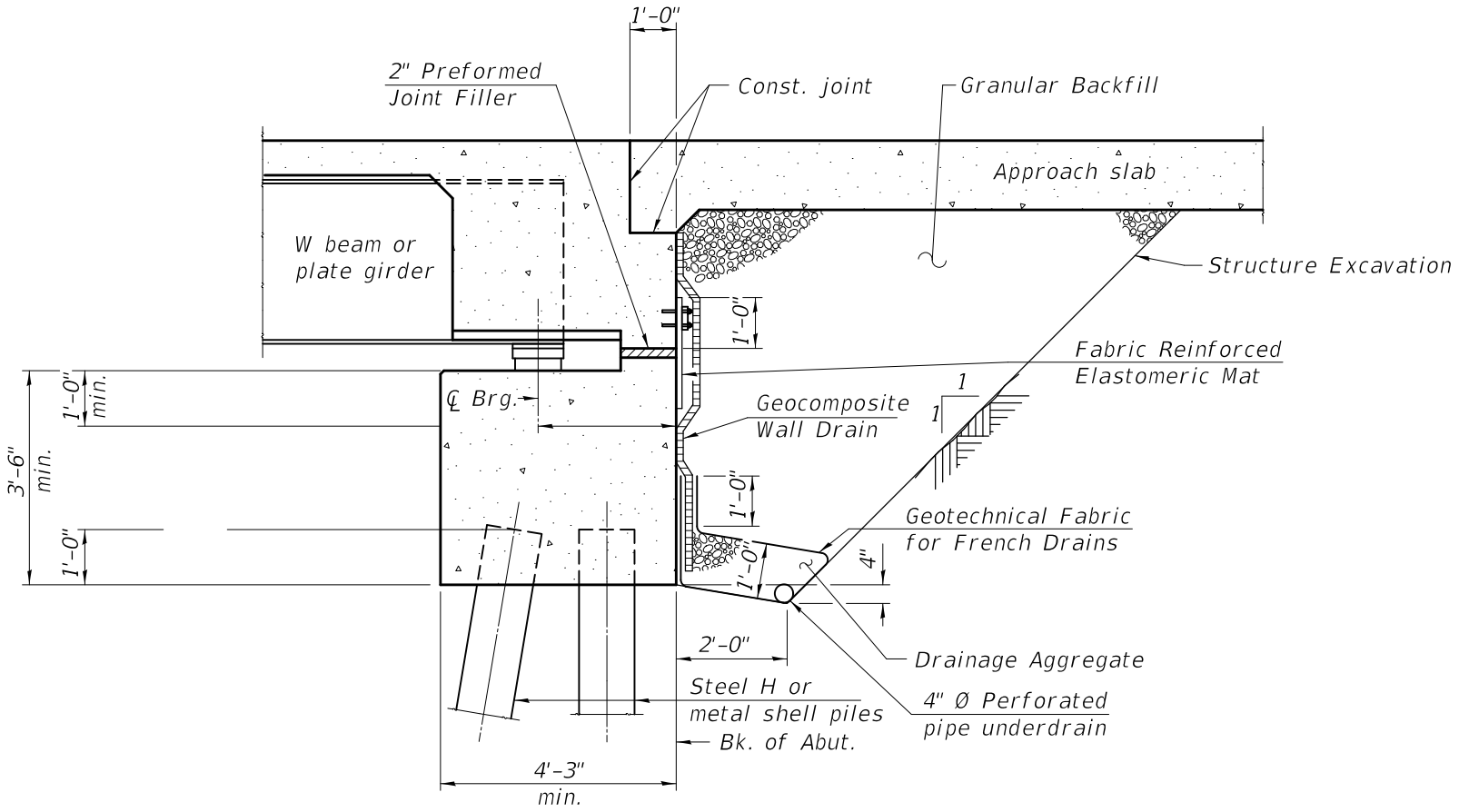
Cell Name: P00044
Descrip: Section thru semi-integral abutment for PPC beams



SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. ∠'s)

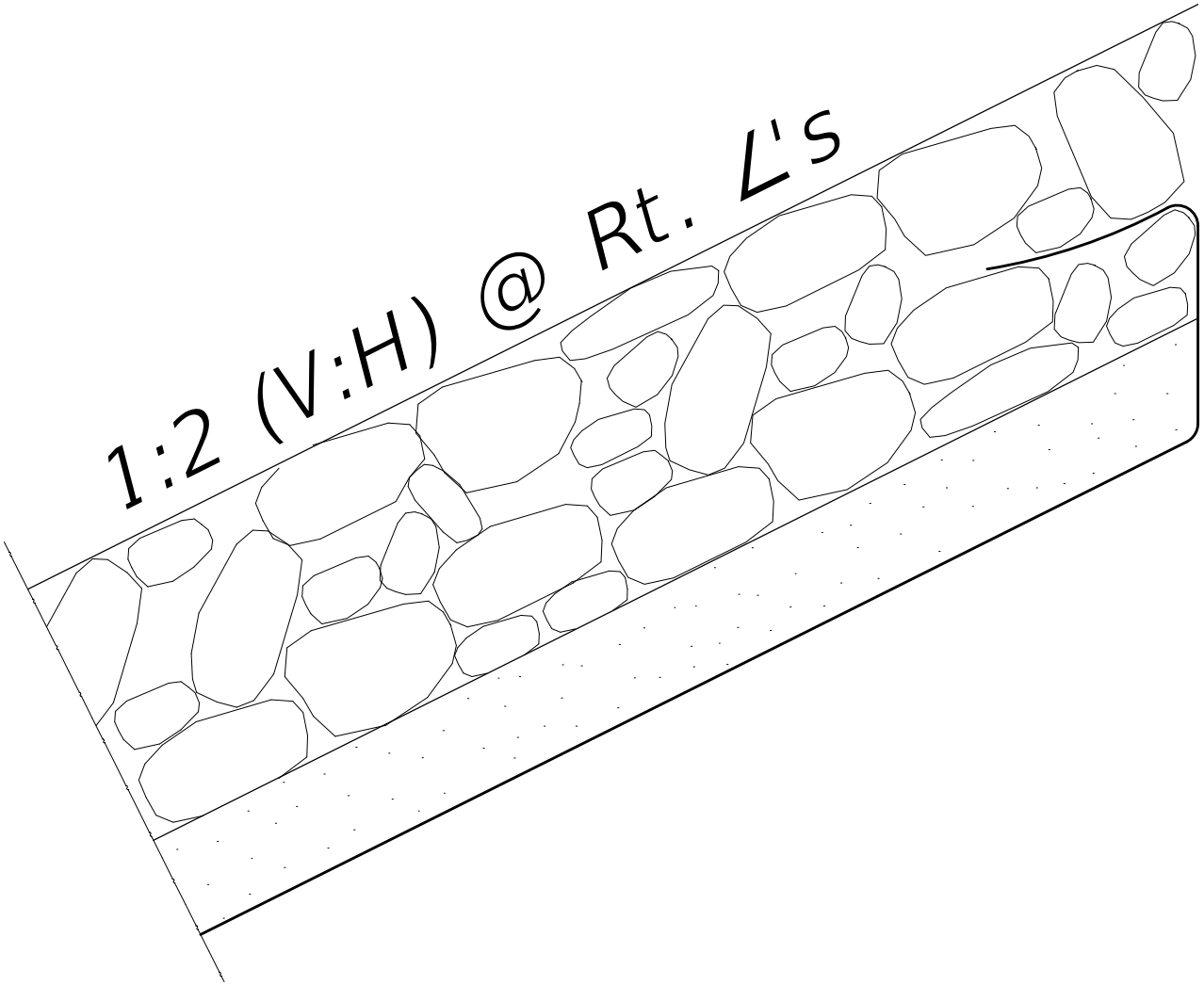
Cell Name: P00045
Descrip: Section thru semi-integral abutment for steel beams or girders



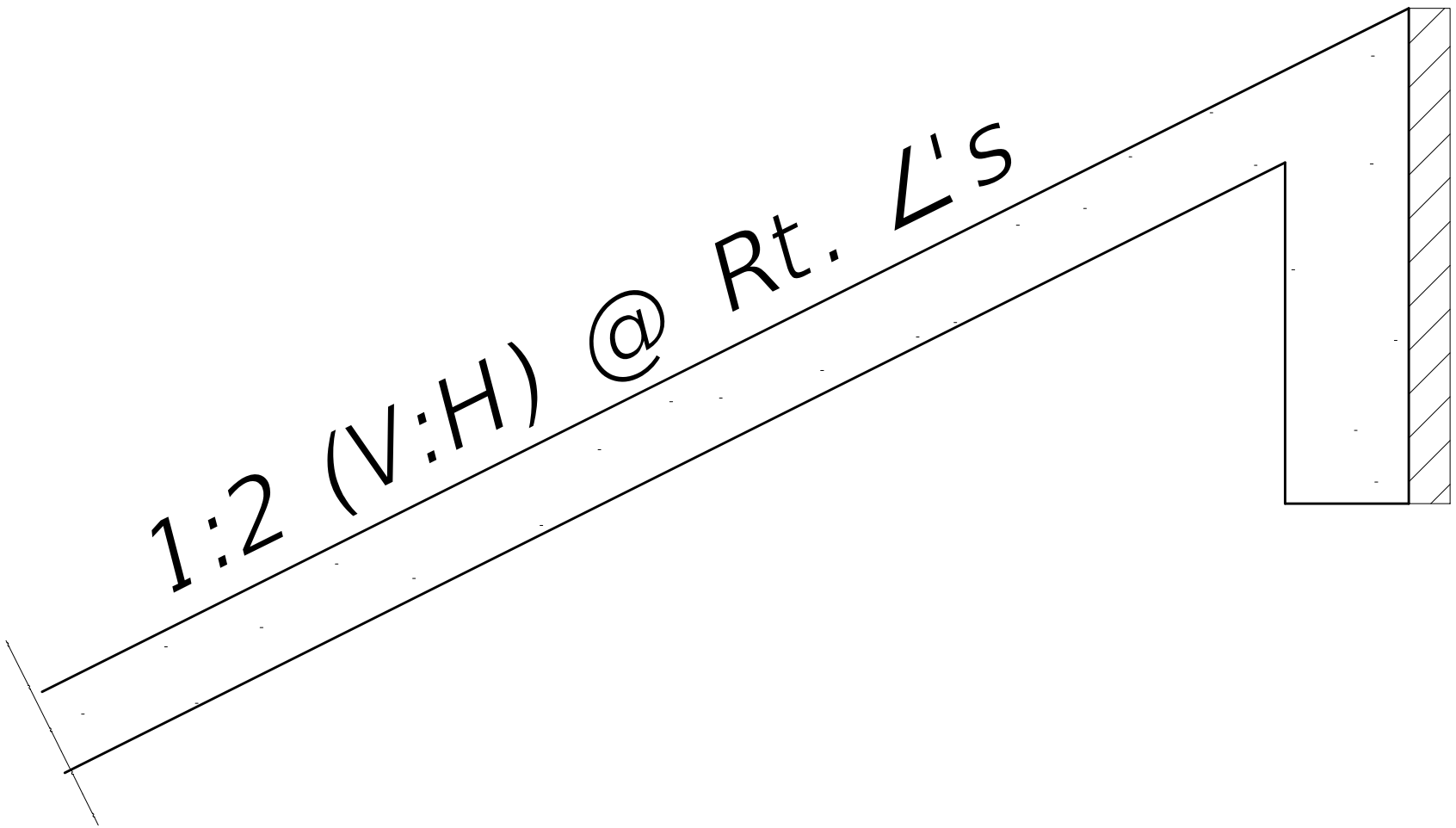
SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. ∠'s)

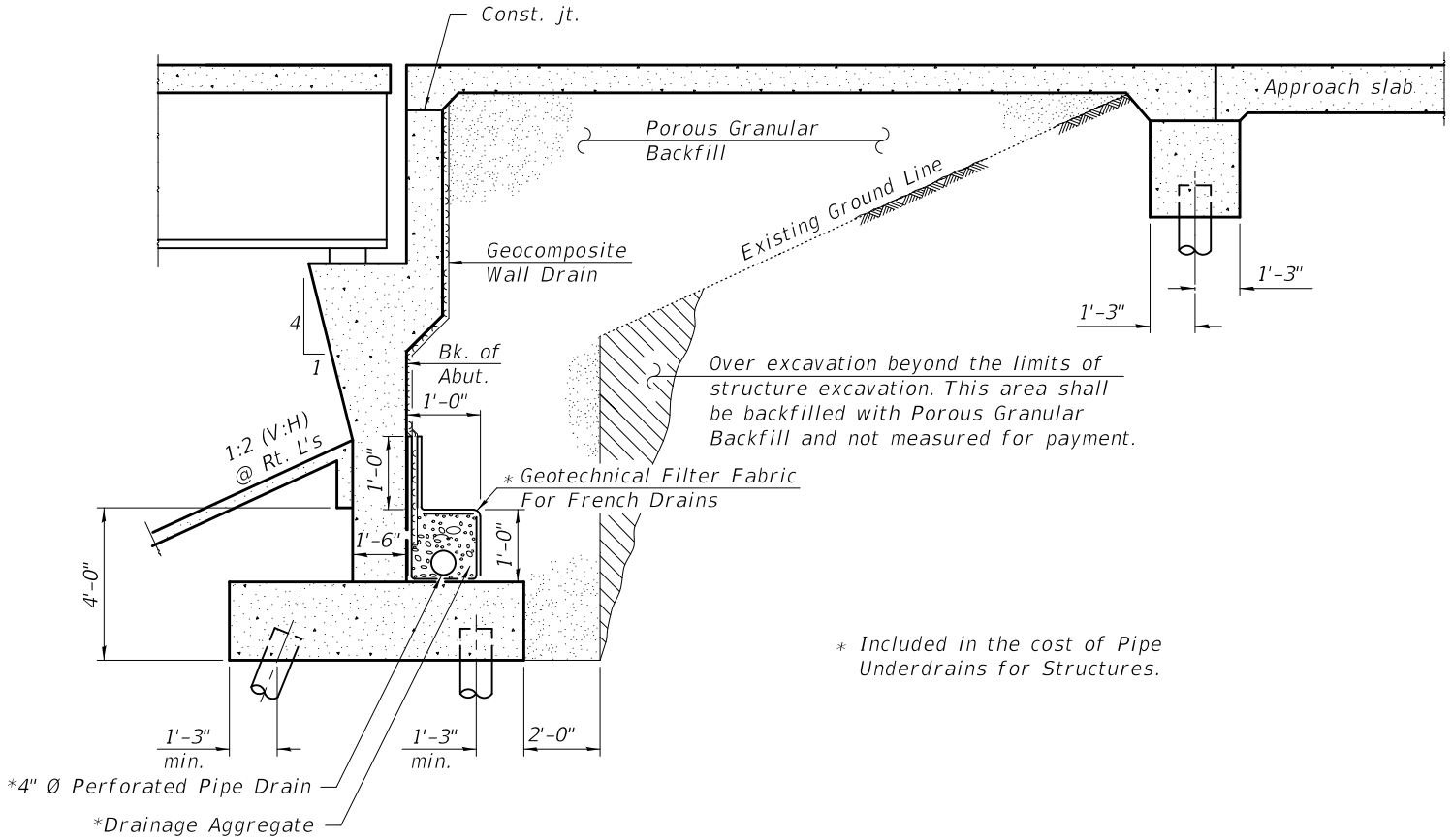
Cell Name: P00046
Descrip: Riprap for section thru abutment



Cell Name: P00047
Descrip: Slopewall for section thru abutments



Cell Name: P00048
Descrip: Section Thru Filled Vaulted Abutment

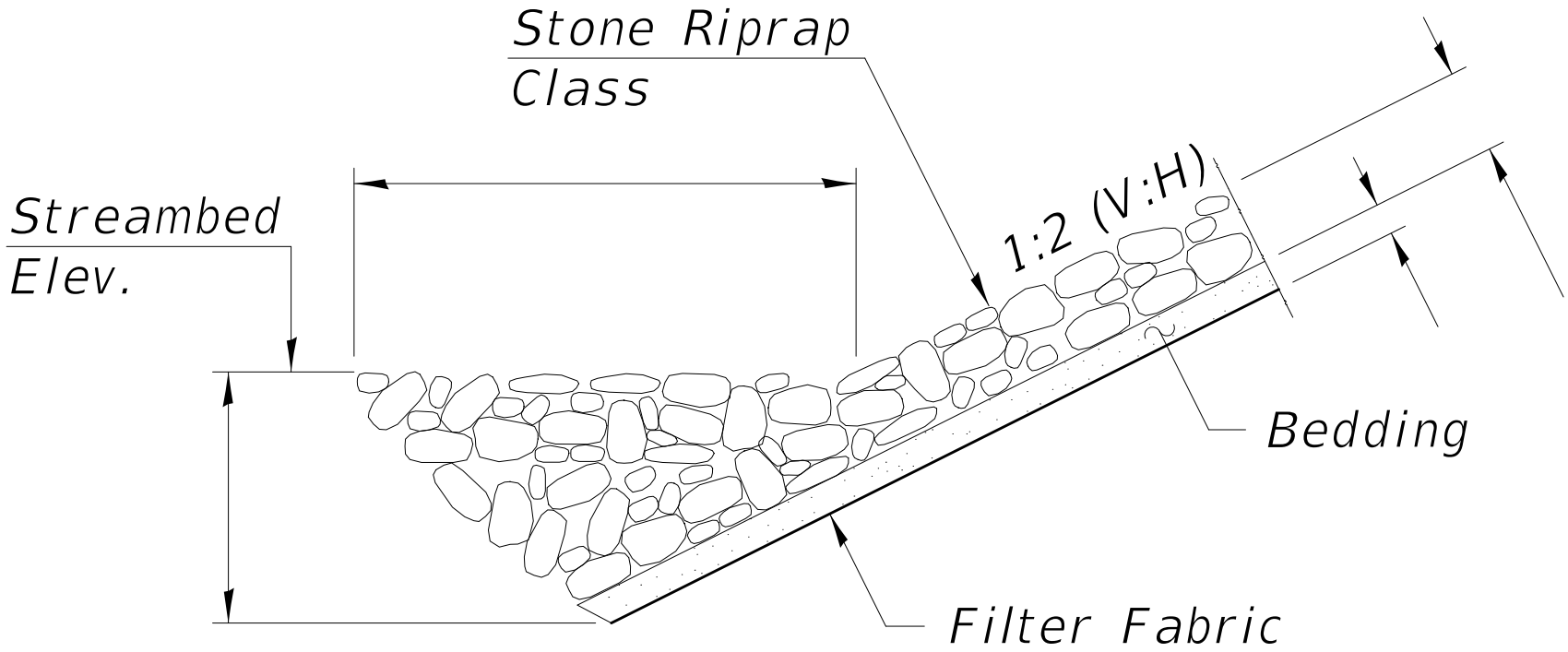


* Included in the cost of Pipe Underdrains for Structures.

SECTION THRU FILLED VAULTED ABUTMENT

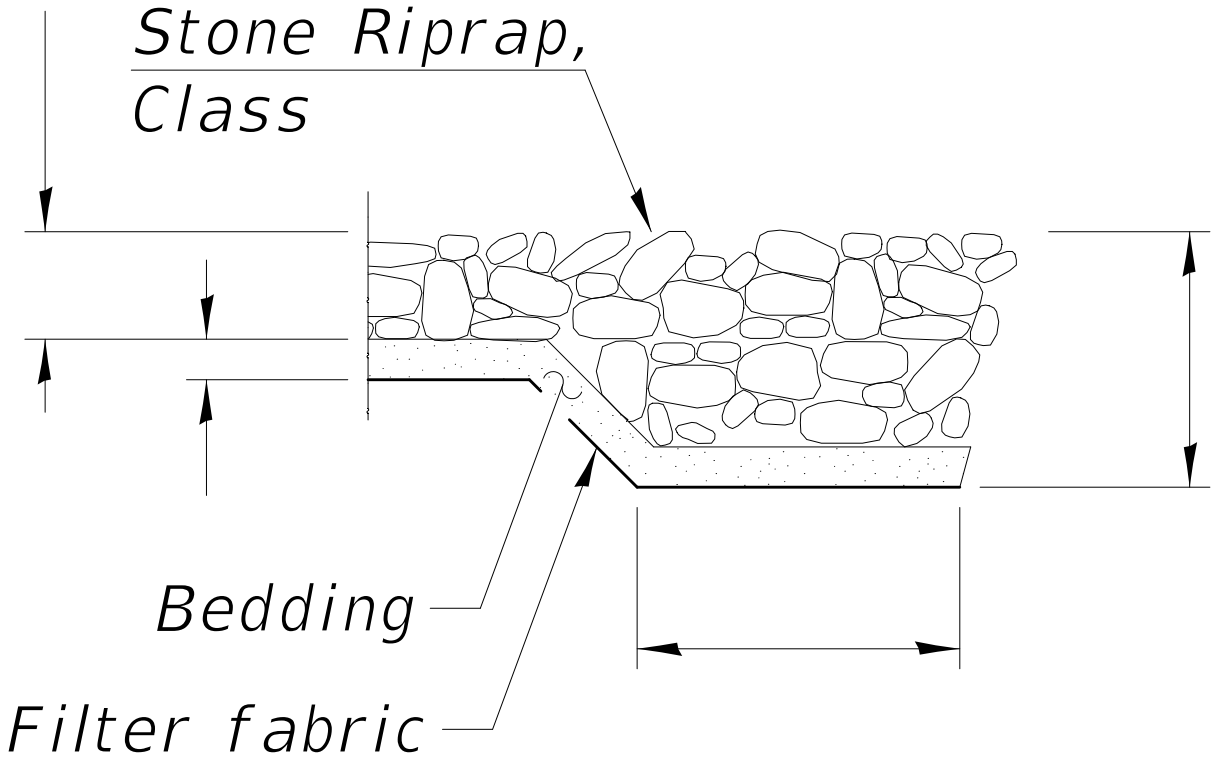
(Horiz. dim. @ Rt. ∠'s)

Cell Name: P00050
Descrip: Toe stone riprap treatment for stream crossings



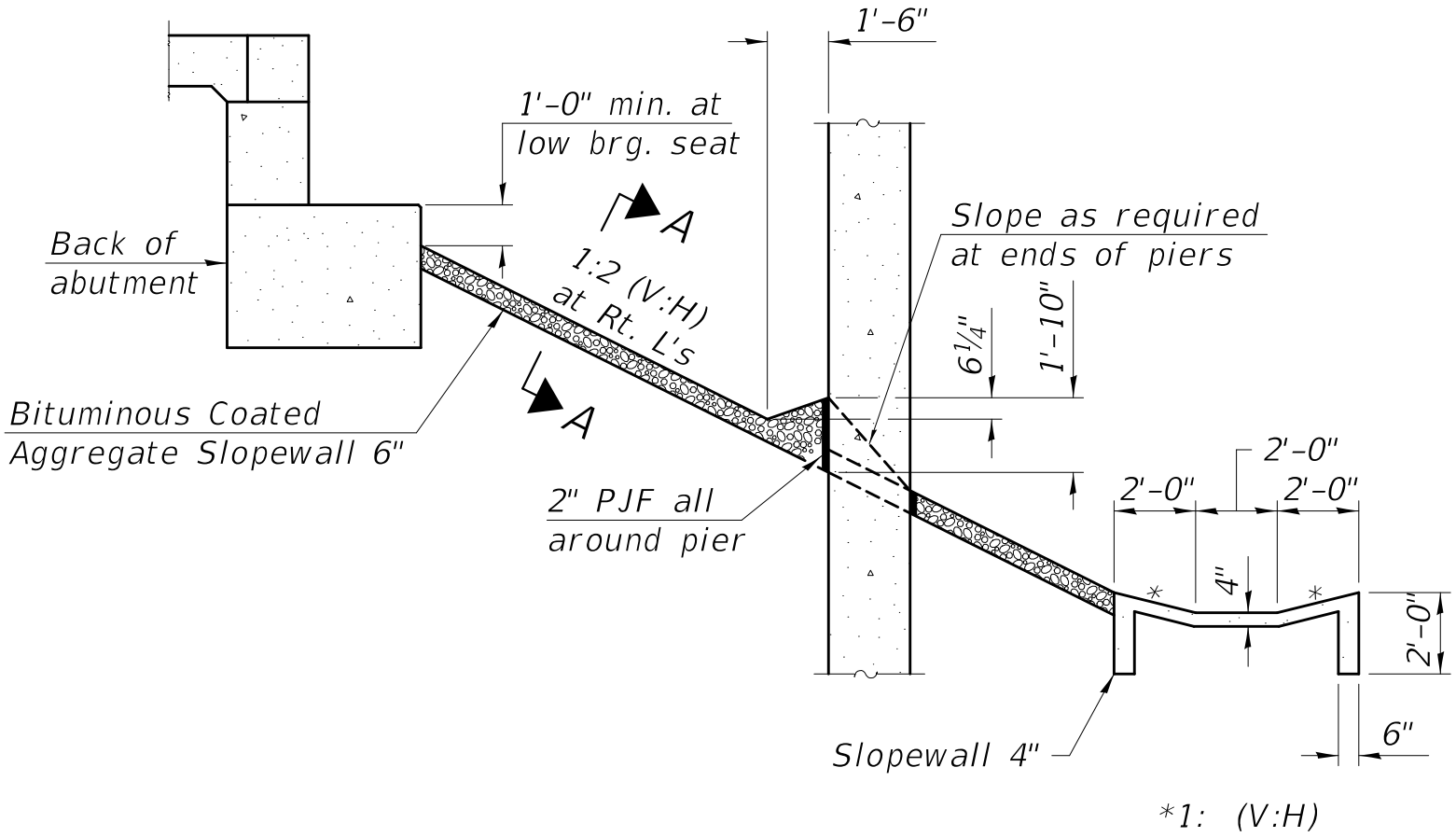
SECTION A–A

Cell Name: P00051
Descrip: Flank stone riprap treatment for stream crossings



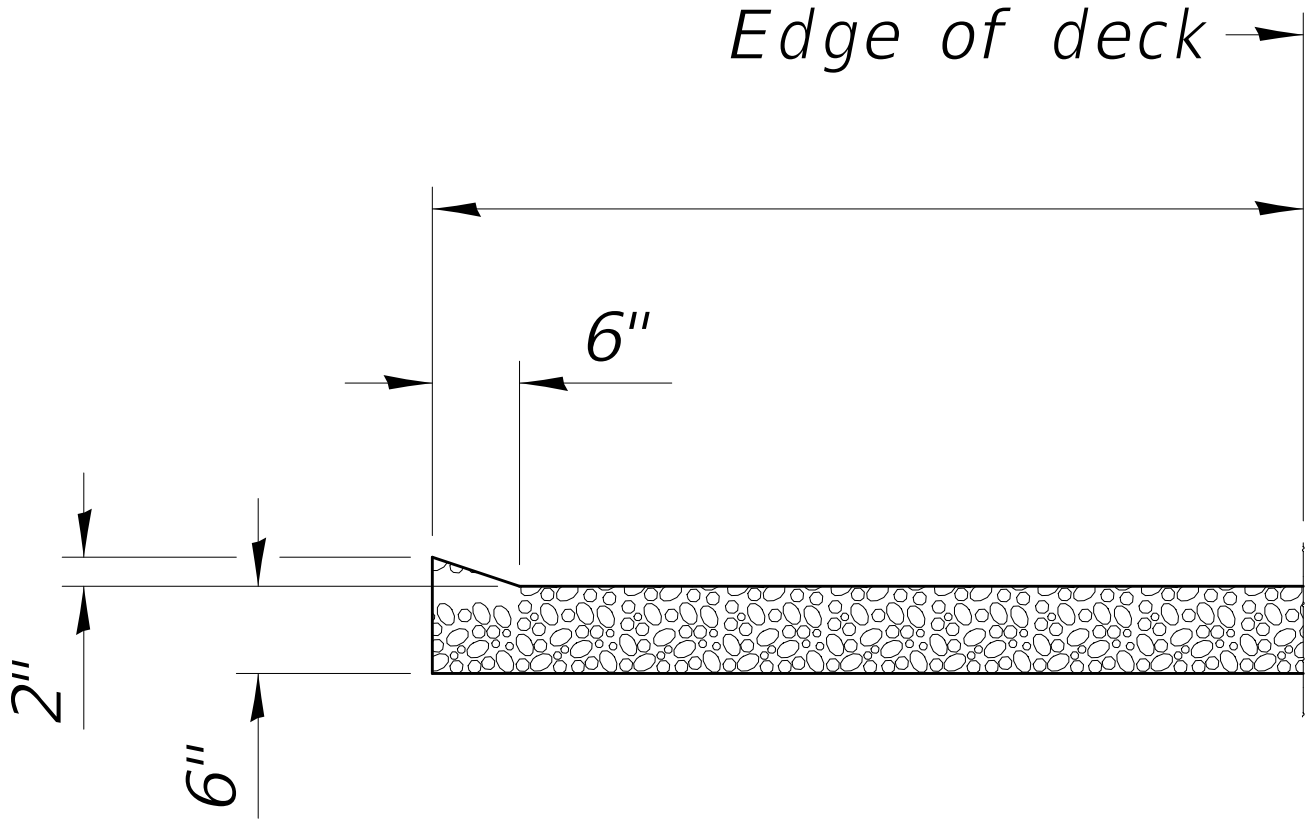
SECTION B-B

Cell Name: P00052
Descrip: Section thru bituminous coated aggregate slopewall



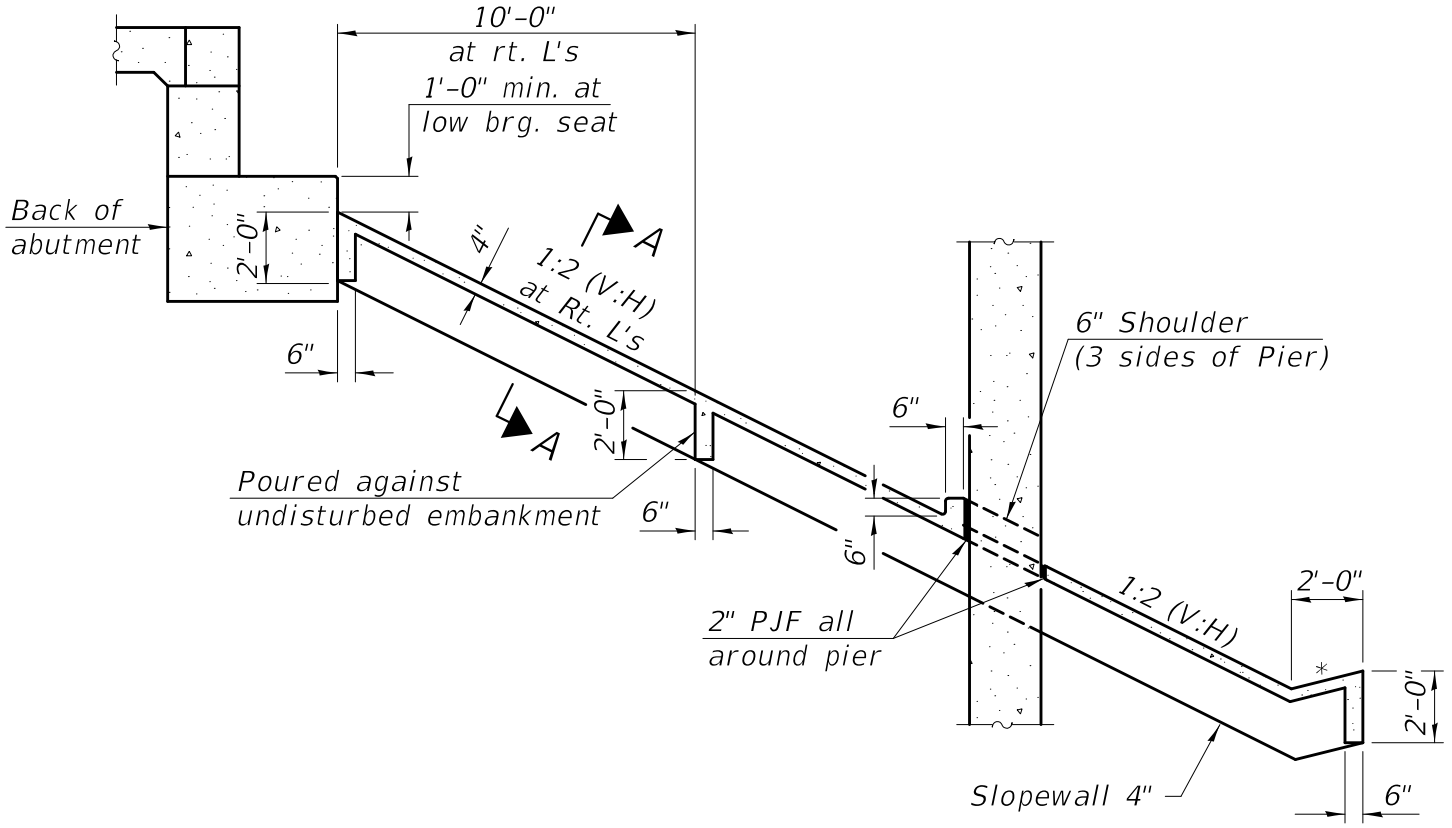
SECTION THRU BITUMINOUS COATED AGGREGATE SLOPEWALL

Cell Name: P00053
Descrip: Section at edge of bituminous coated aggregate slopewall



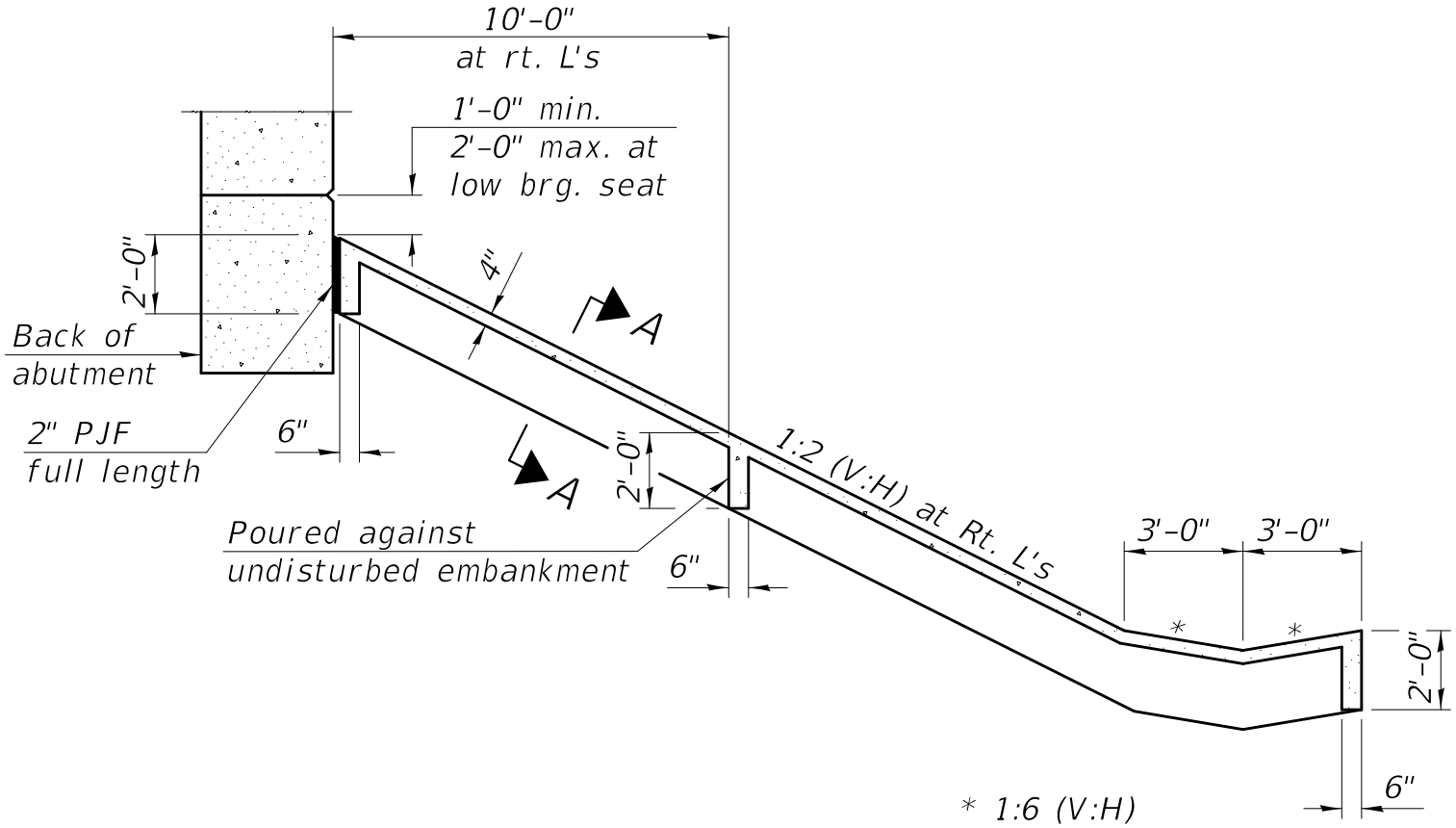
SECTION A–A

Cell Name: P00054
Descrip: Section thru concrete slopewall (from stub abutment)



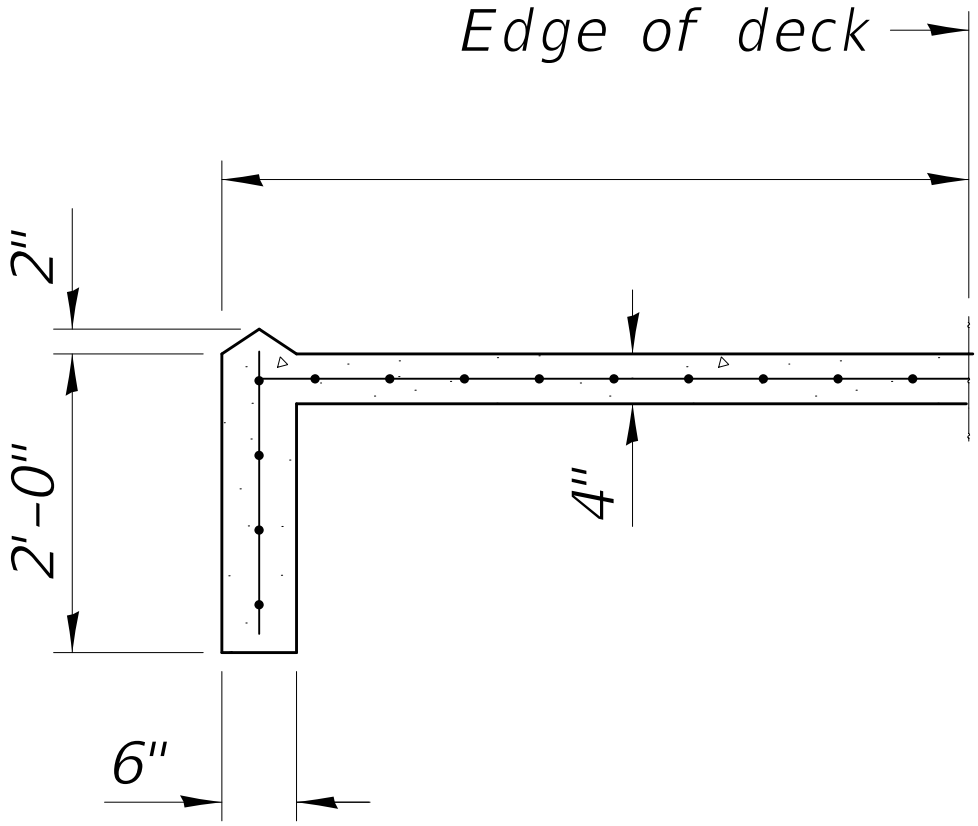
SECTION THRU
CONCRETE SLOPEWALL

Cell Name: P00055
Descrip: Section thru concrete slopewall (from integral abutment)



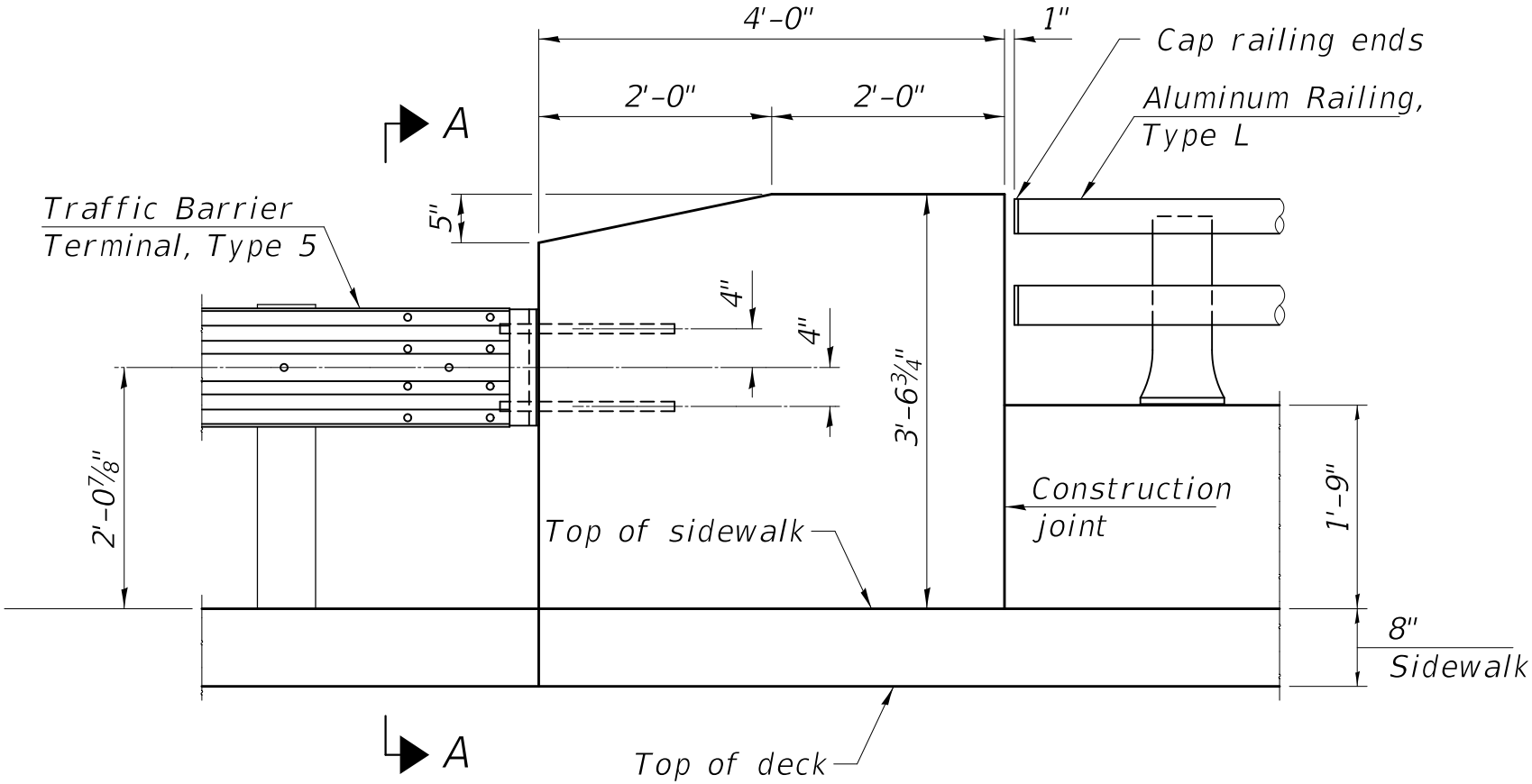
SECTION THRU
CONCRETE SLOPEWALL

Cell Name: P00056
Descrip: Section at edge of concrete slopewall



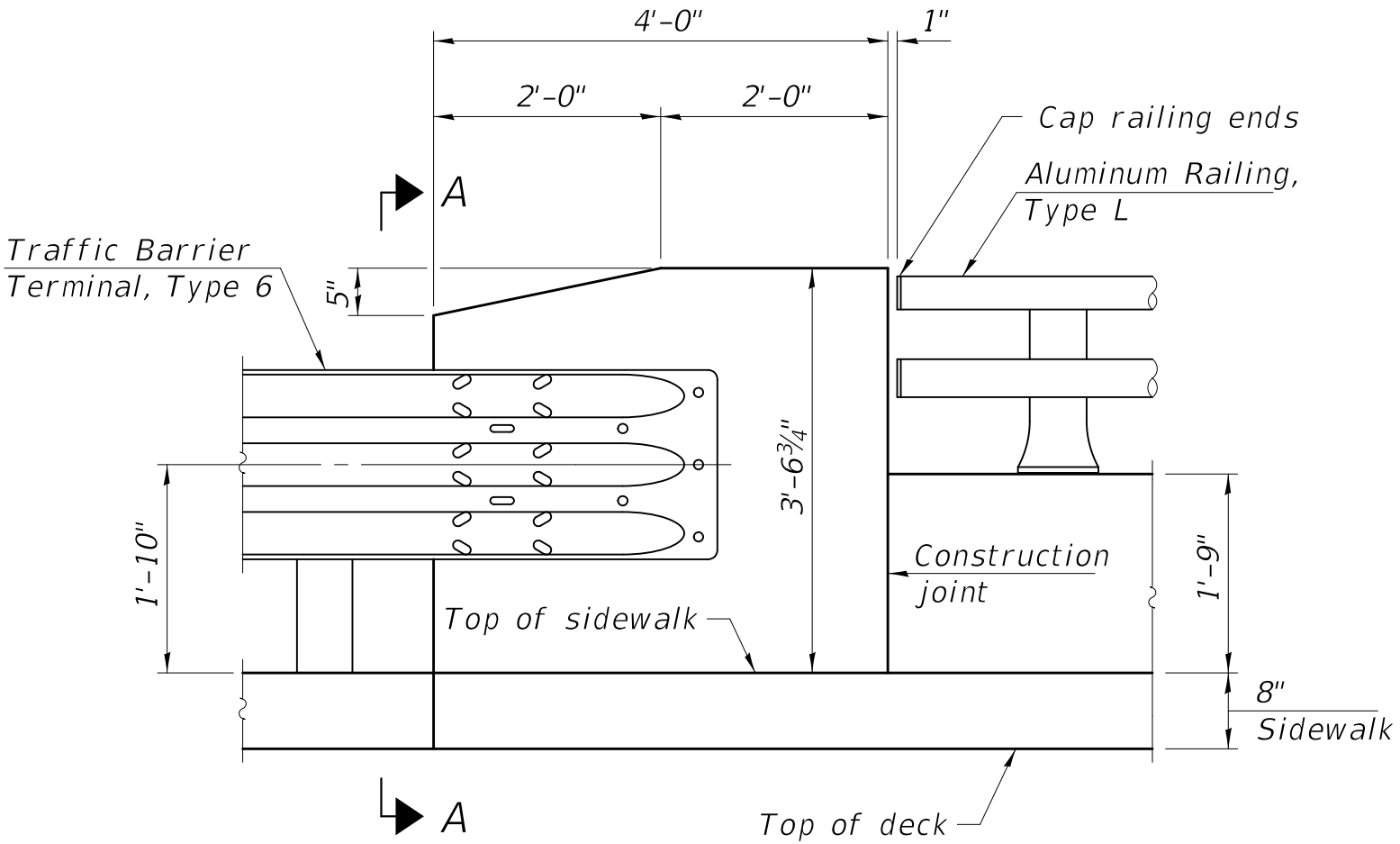
SECTION A-A

Cell Name: P00060
Descrip: Railing end treatment elevation for type 5 terminal and aluminum railing



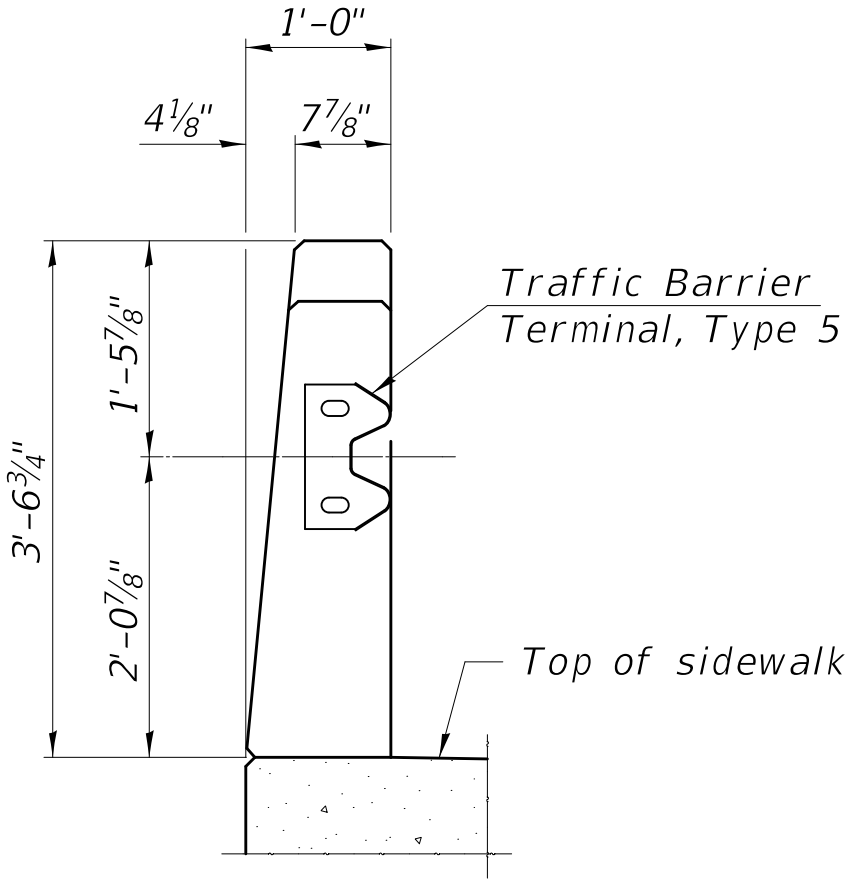
ELEVATION

Cell Name: P00061
Descrip: Railing end treatment elevation for type 6 terminal and aluminum railing



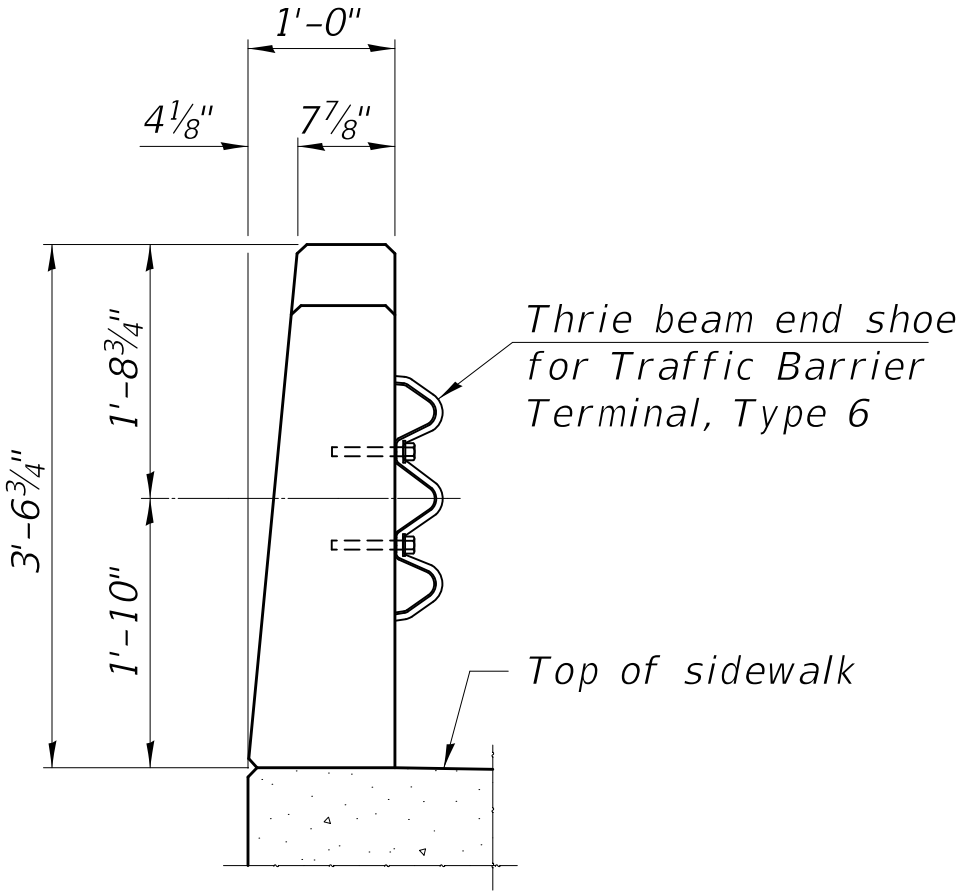
ELEVATION

Cell Name: P00062
Descrip: Railing end treatment section for type 5 terminal and aluminum railing



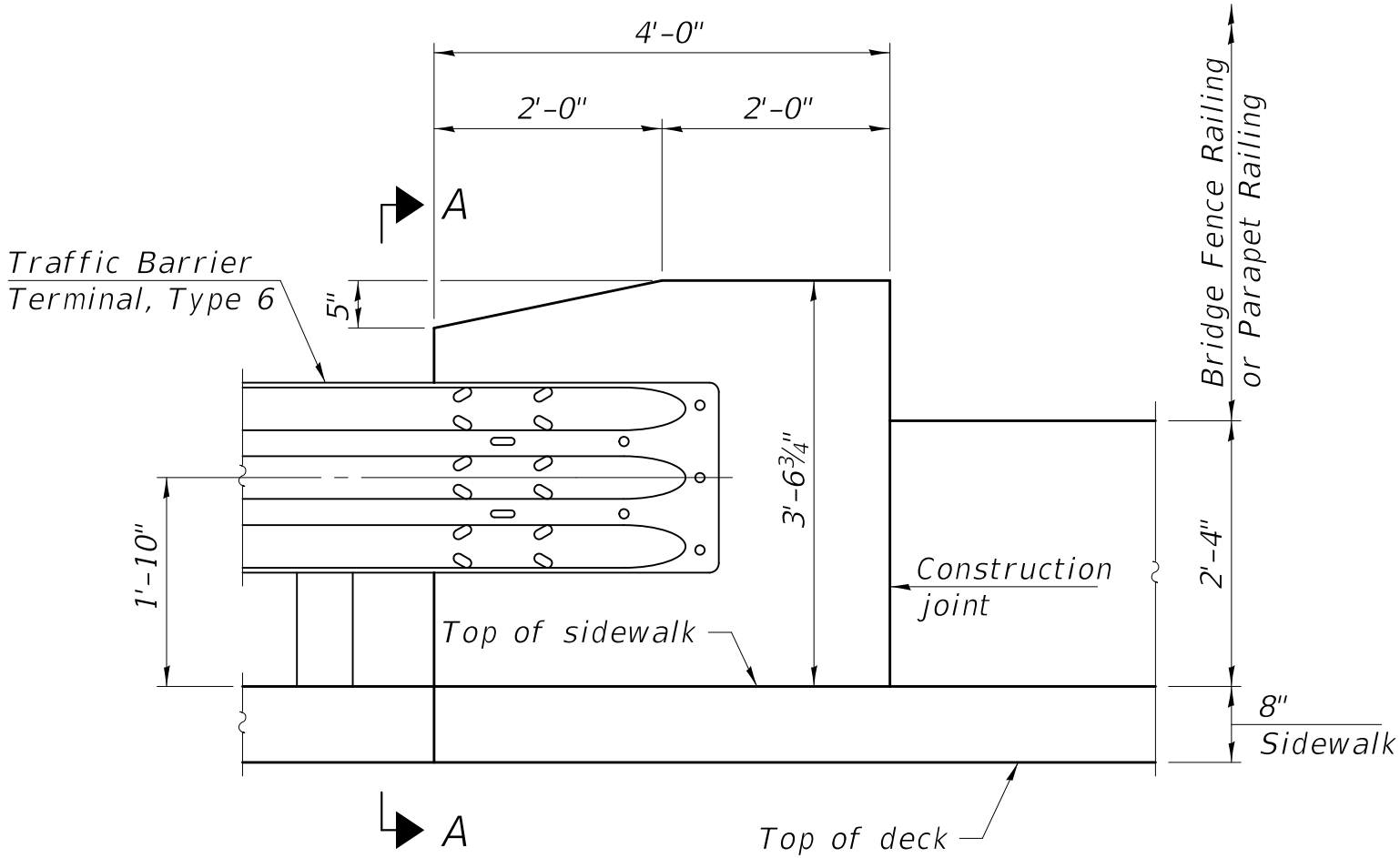
SECTION A-A

Cell Name: P00063
Descrip: Railing end treatment section for type 6 terminal



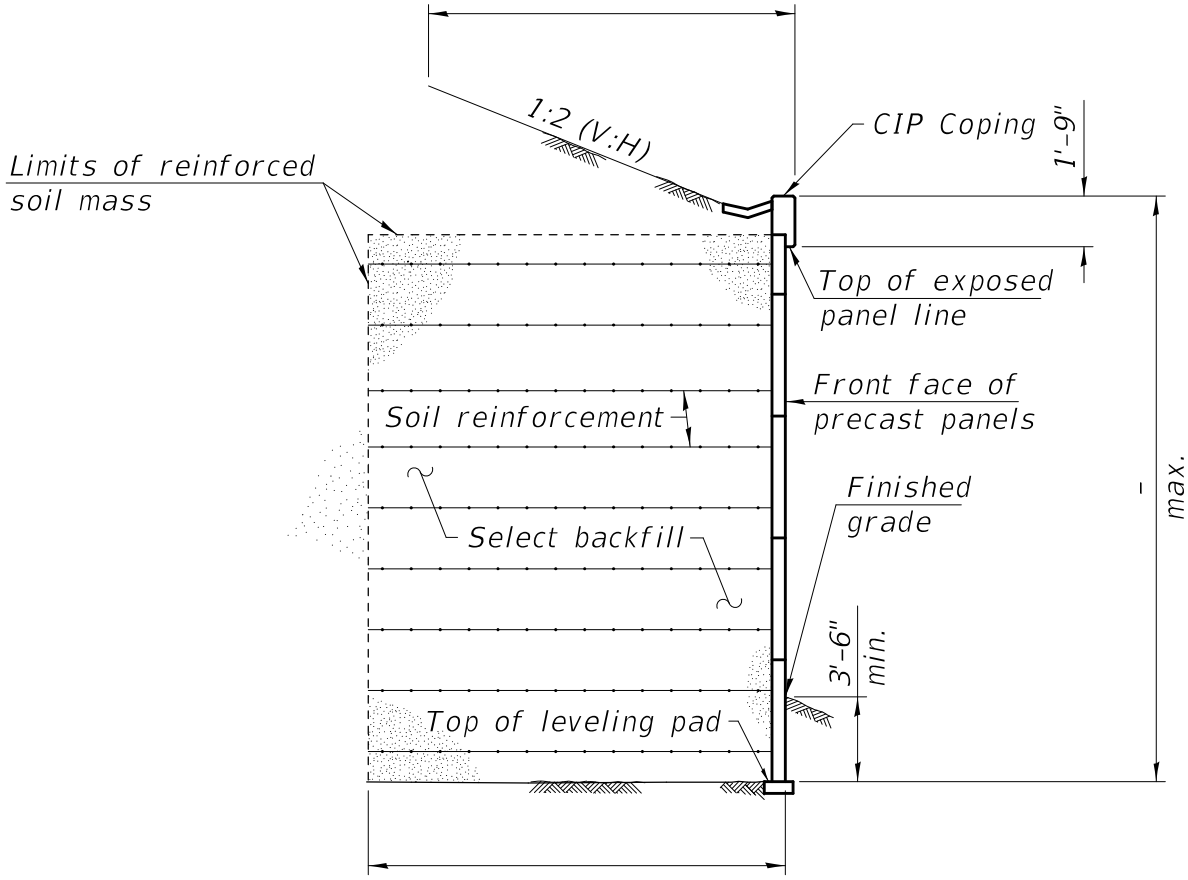
SECTION A-A

Cell Name: P00064
Descrip: Railing end treatment elevation for type 6 terminal and bridge fence or parapet railing



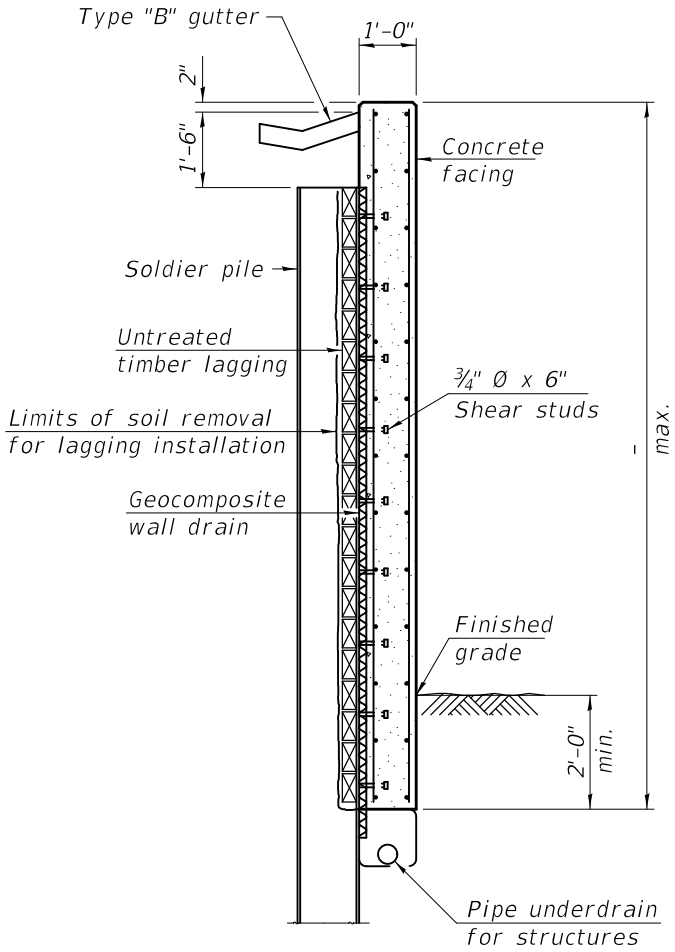
ELEVATION

Cell Name: P00070
Descrip: MSE wall with CIP coping section



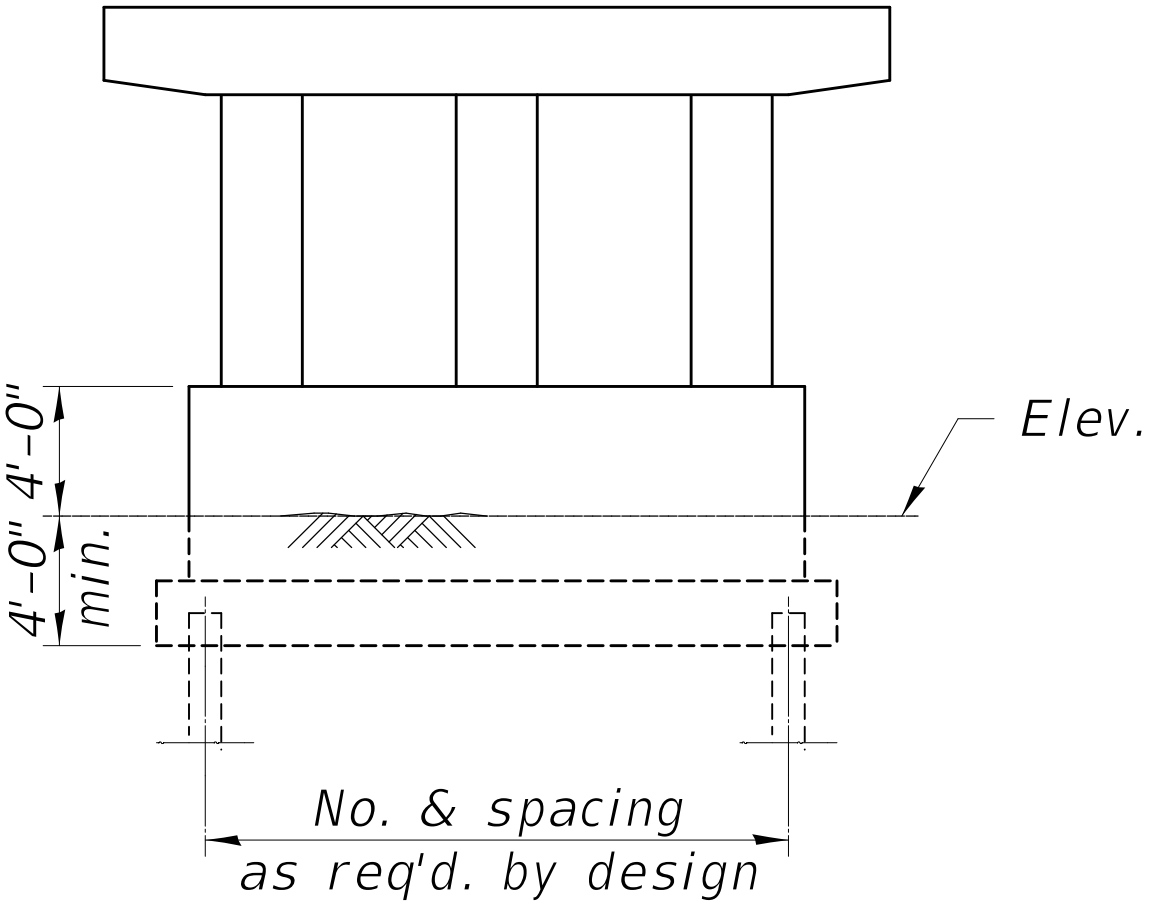
SECTION THRU
MSE WALL

Cell Name: P00071
Descrip: Soldier pile wall with concrete facing section



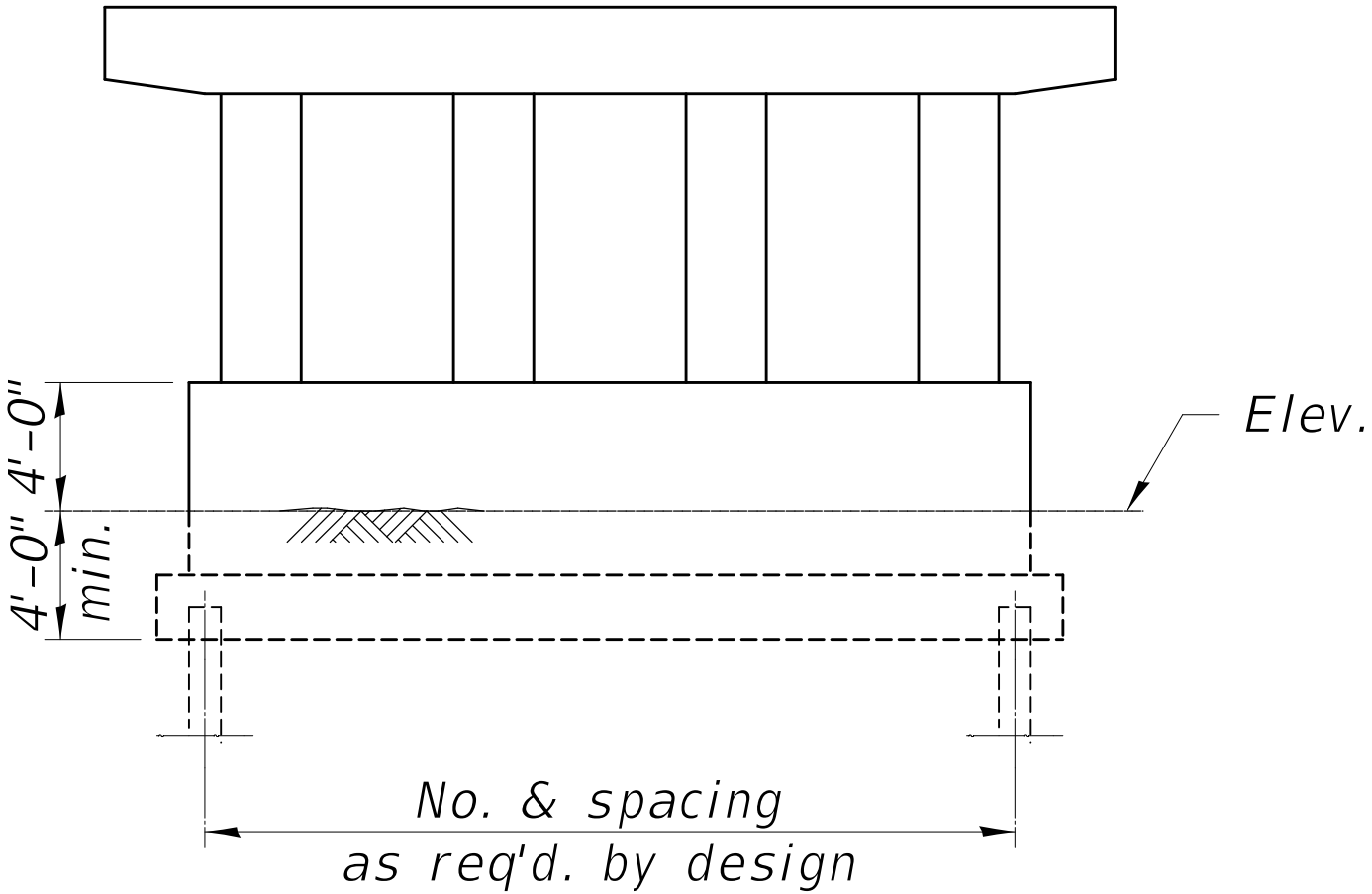
SECTION THRU
SOLDIER PILE WALL

Cell Name: P00077
Descrip: Multiple round column grade separation pier sketch (3)



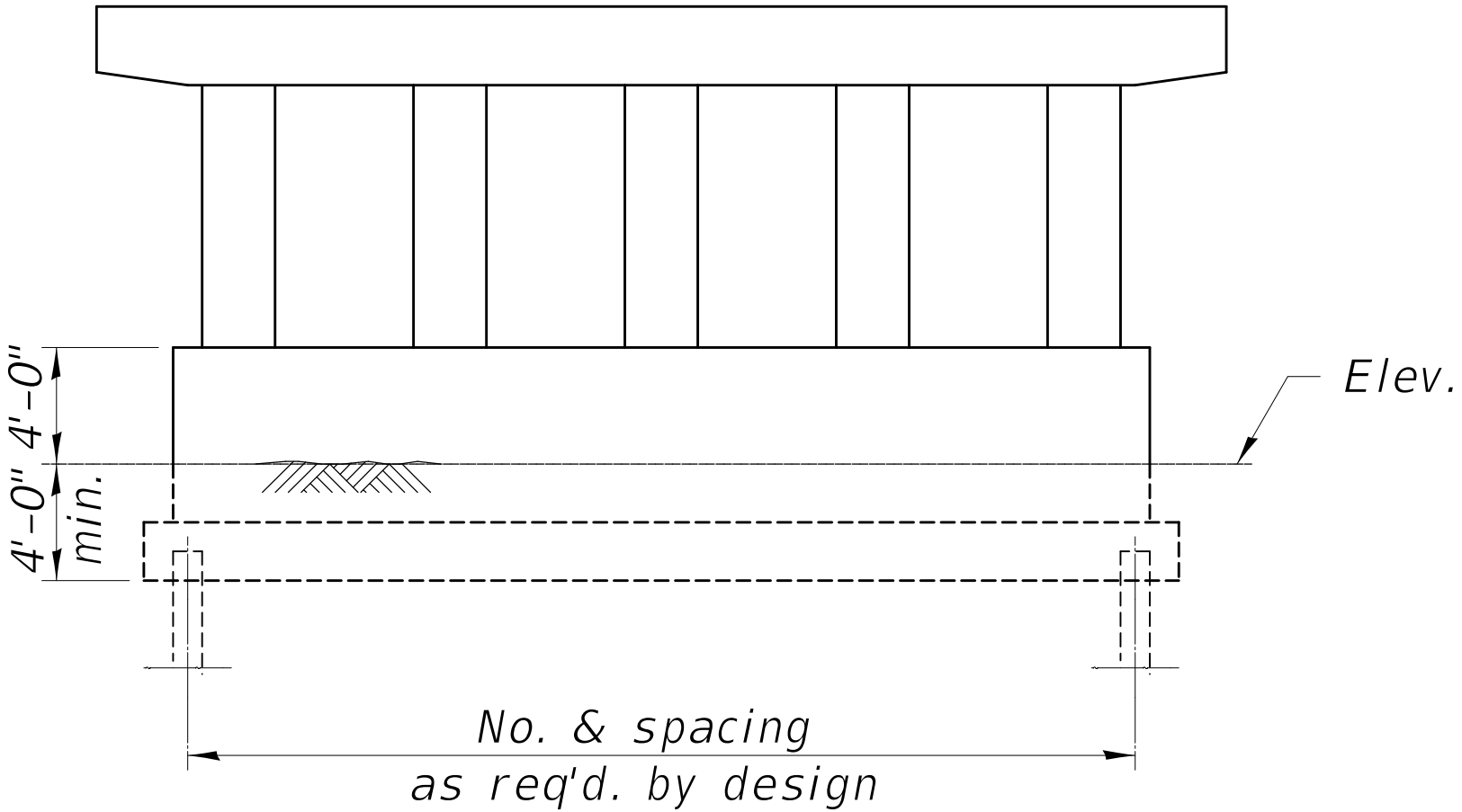
PIER SKETCH

Cell Name: P00078
Descrip: Multiple round column grade separation pier sketch (4)



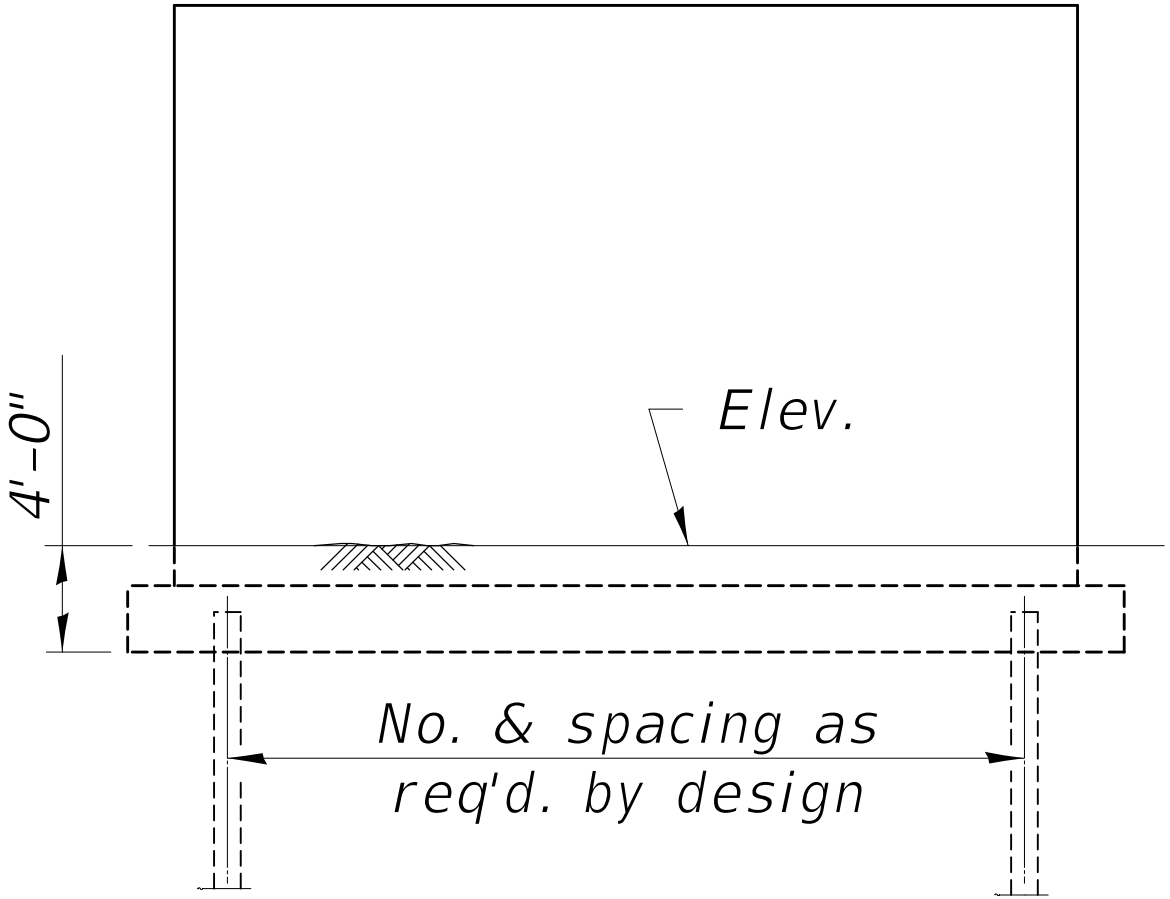
PIER SKETCH

Cell Name: P00079
Descrip: Multiple round column grade separation pier sketch (5)



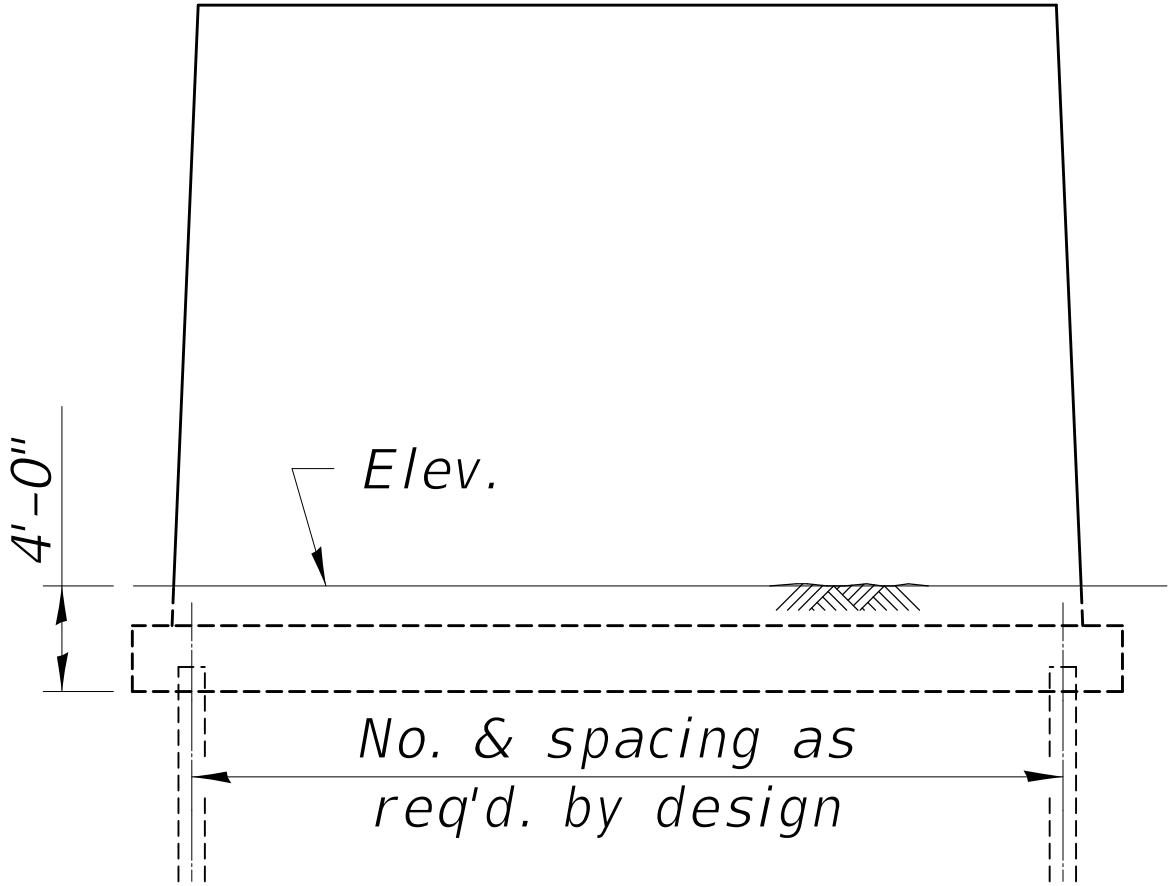
PIER SKETCH

Cell Name: P00080
Descrip: Solid, spread footing pier sketch



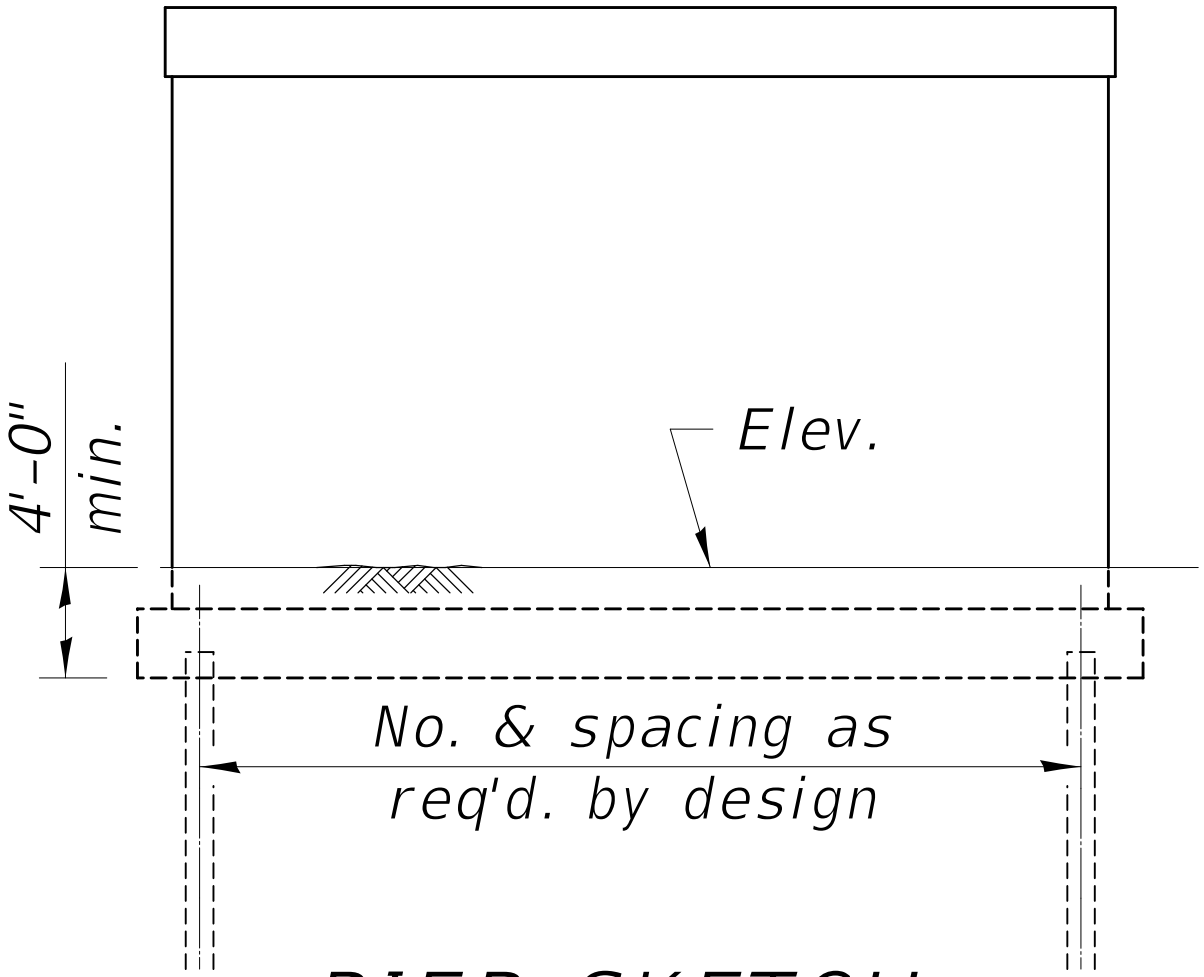
PIER SKETCH

Cell Name: P00081
Descrip: Solid, battered, spread footing pier sketch



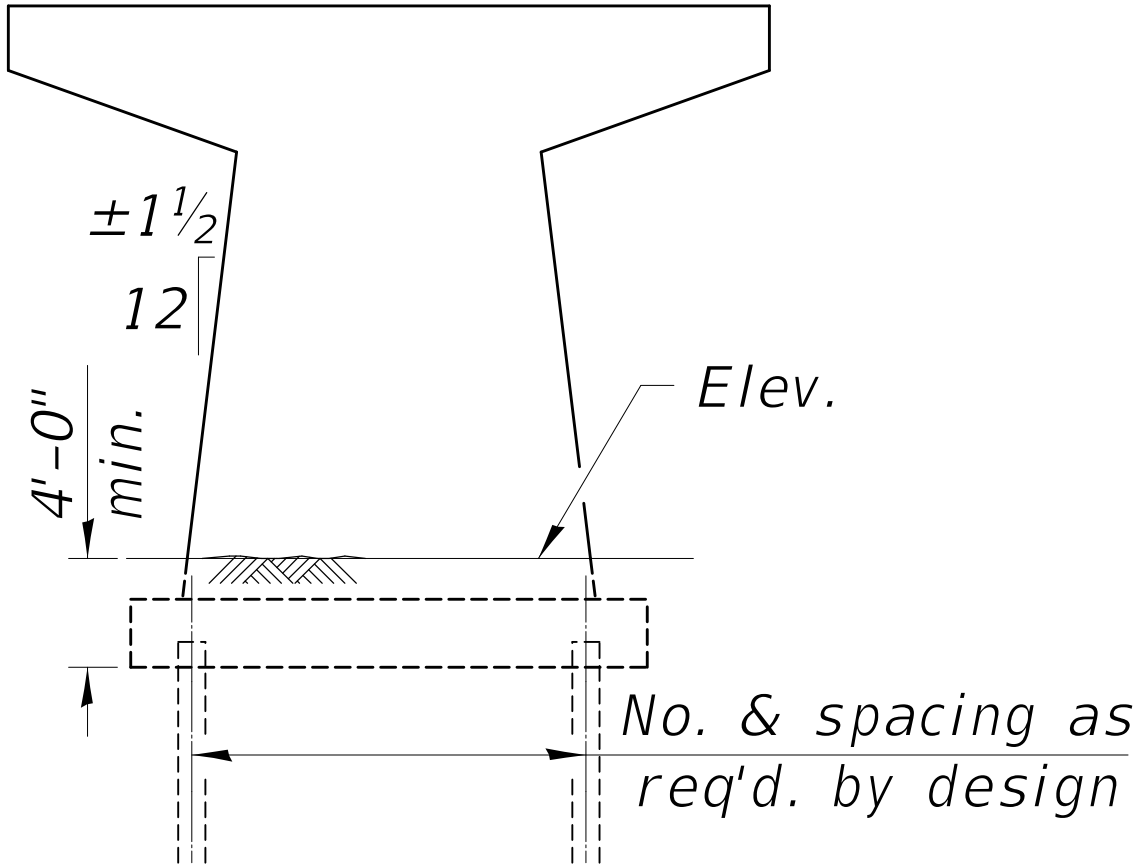
PIER SKETCH

Cell Name: P00082
Descrip: Solid, with cap and spread footing pier sketch



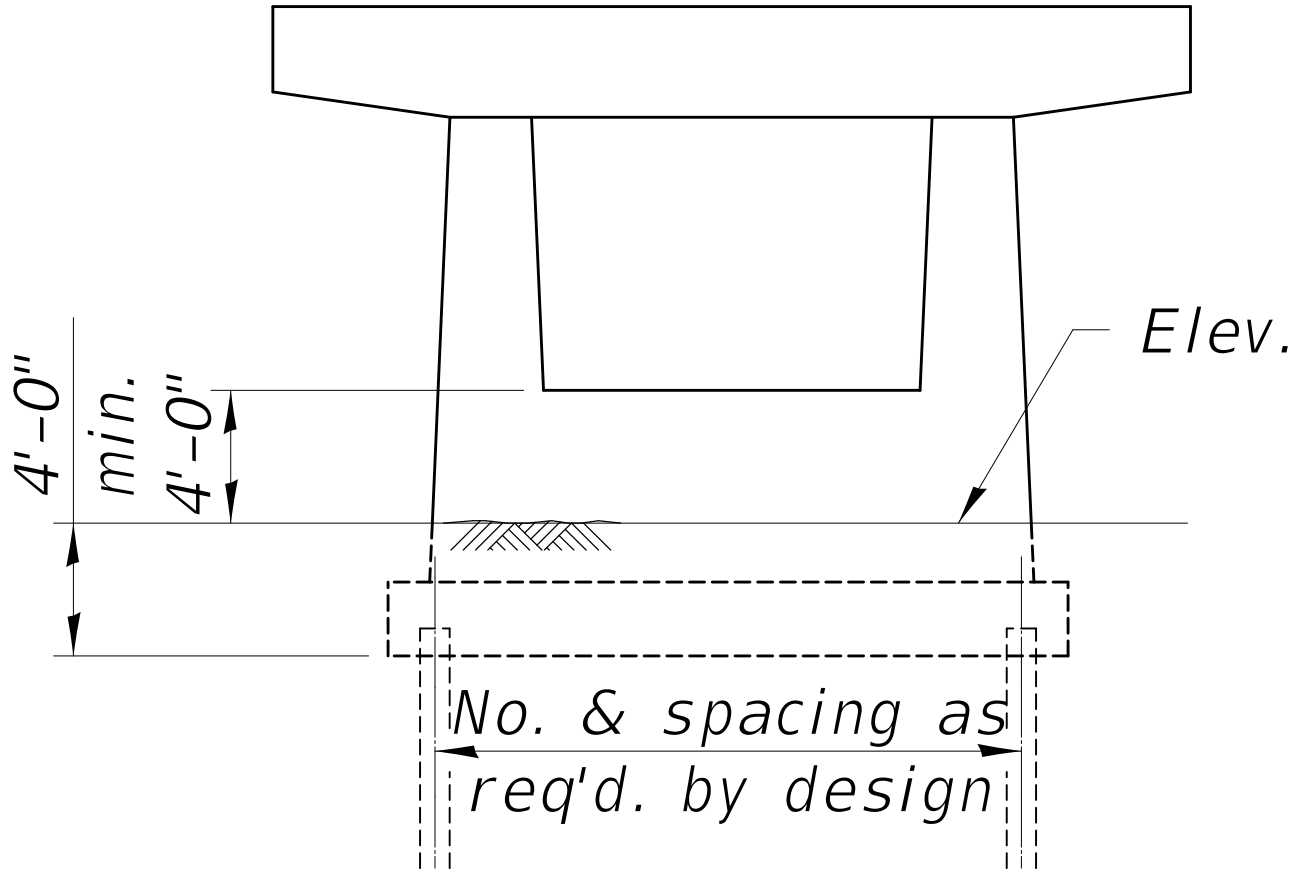
PIER SKETCH

Cell Name: P00083
Descrip: Single hammerhead pier sketch



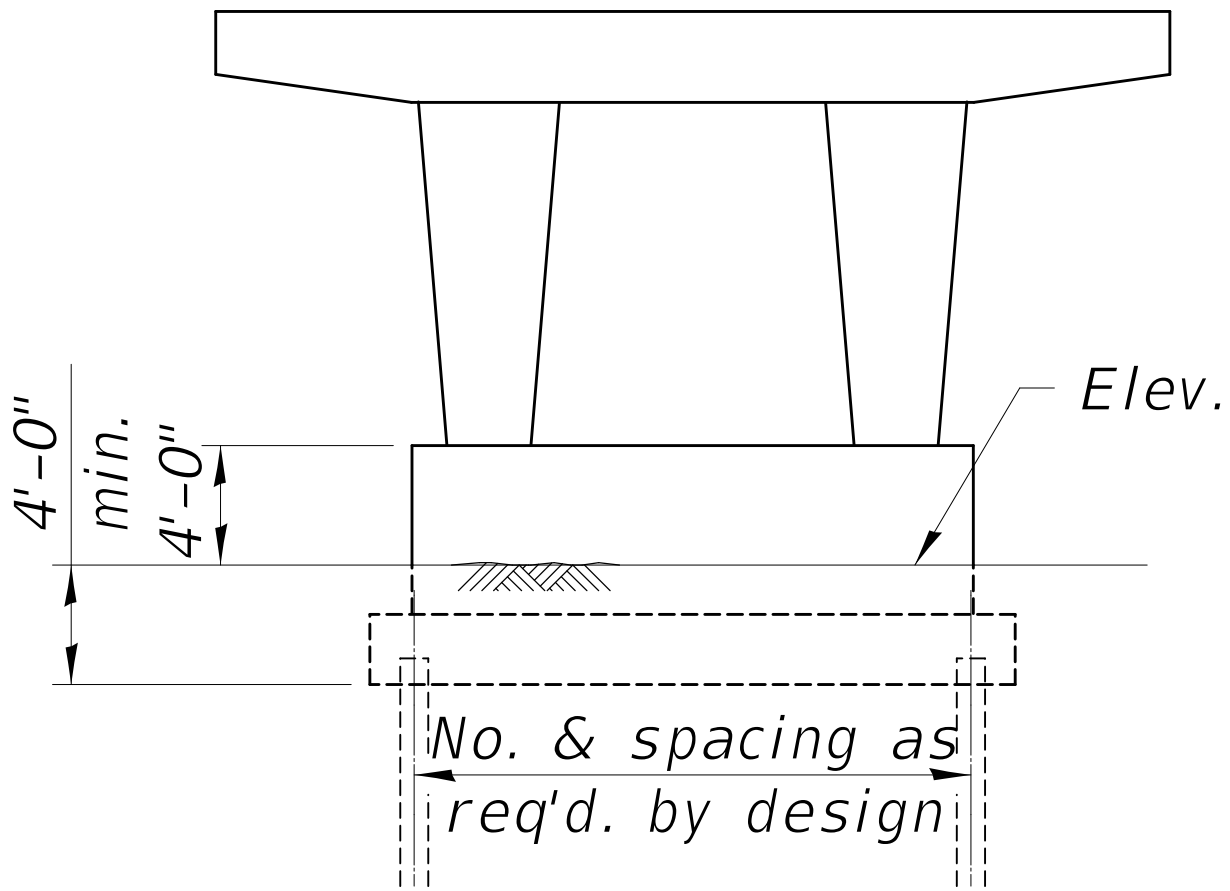
PIER SKETCH

Cell Name: P00084
Descrip: Double hammerhead pier sketch



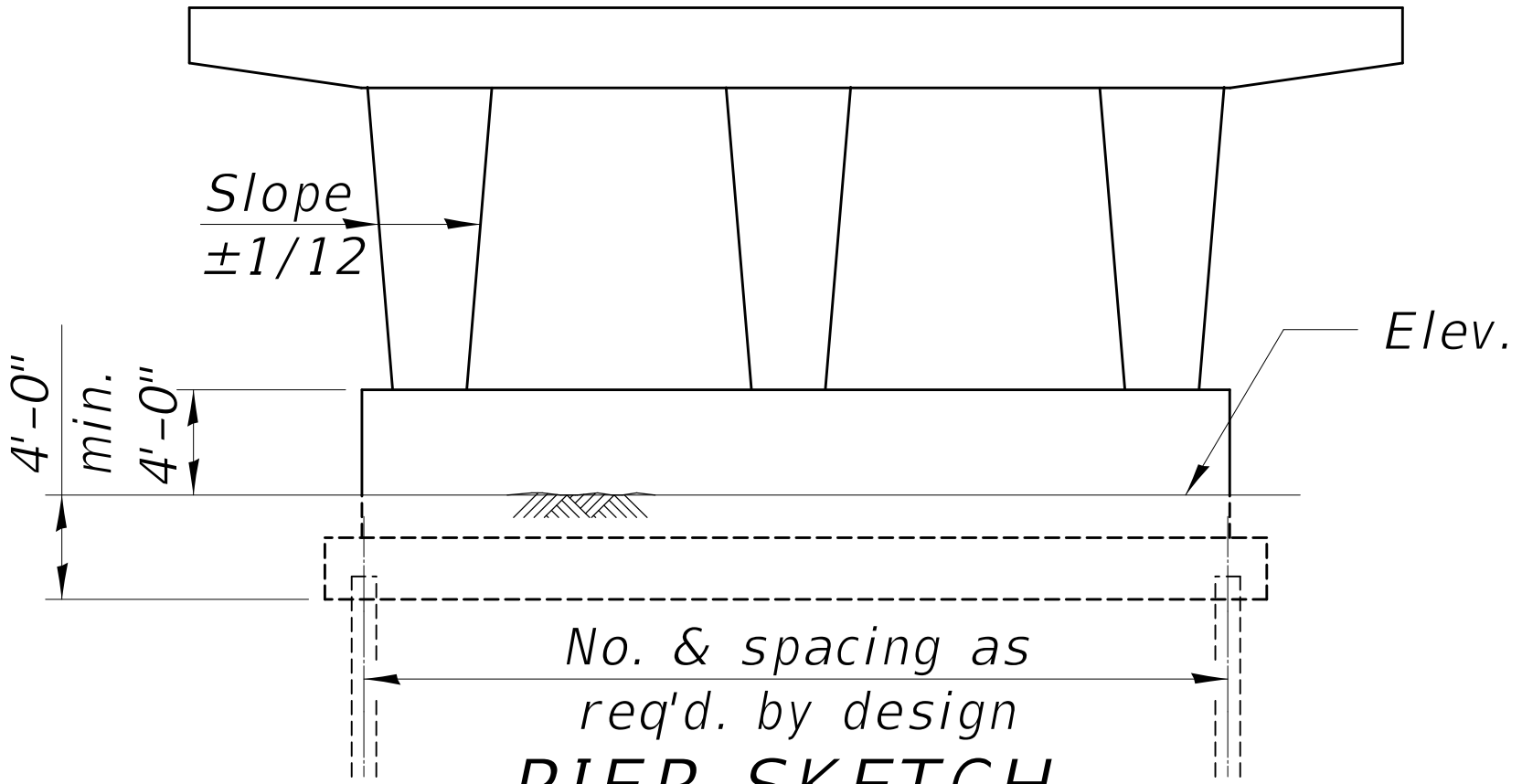
PIER SKETCH

Cell Name: P00085
Descrip: 2 column pier sketch



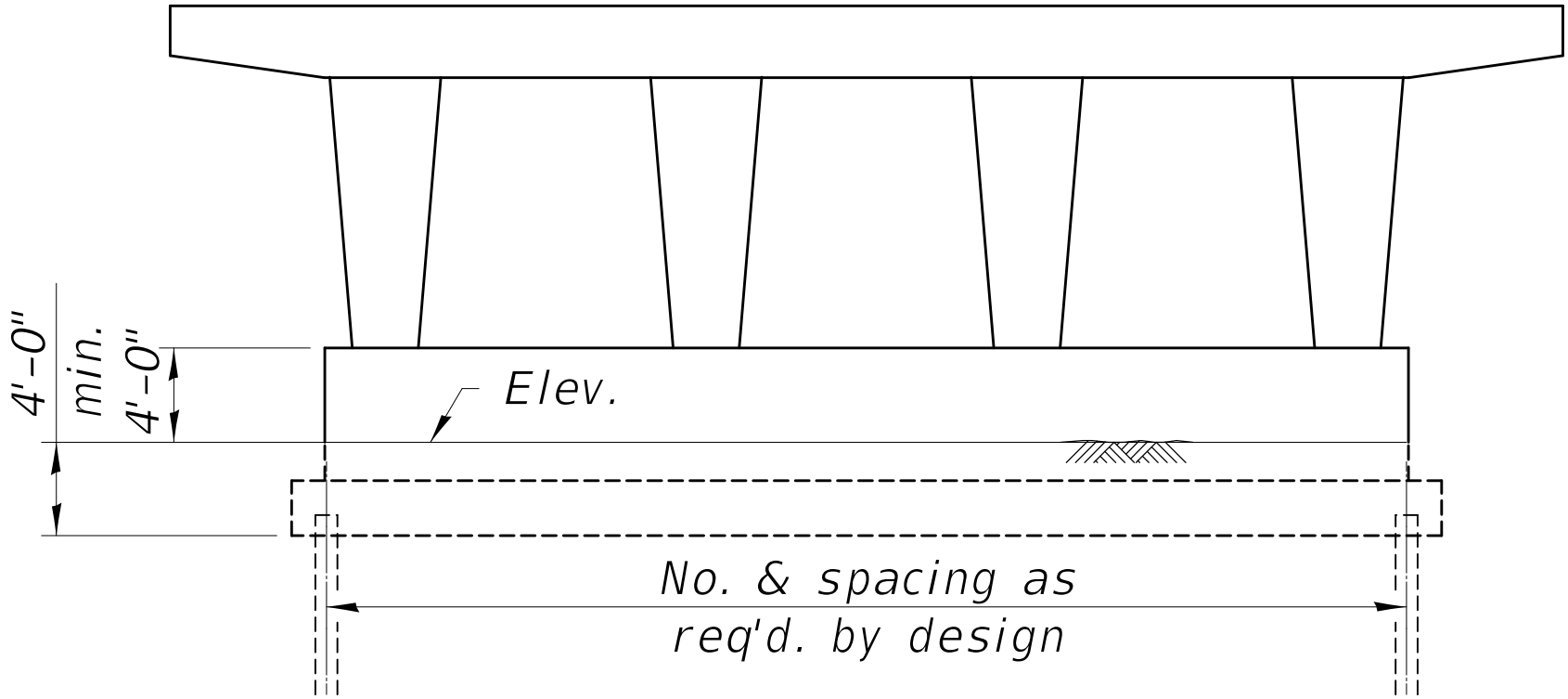
PIER SKETCH

Cell Name: P00086
Descrip: 3 column pier sketch



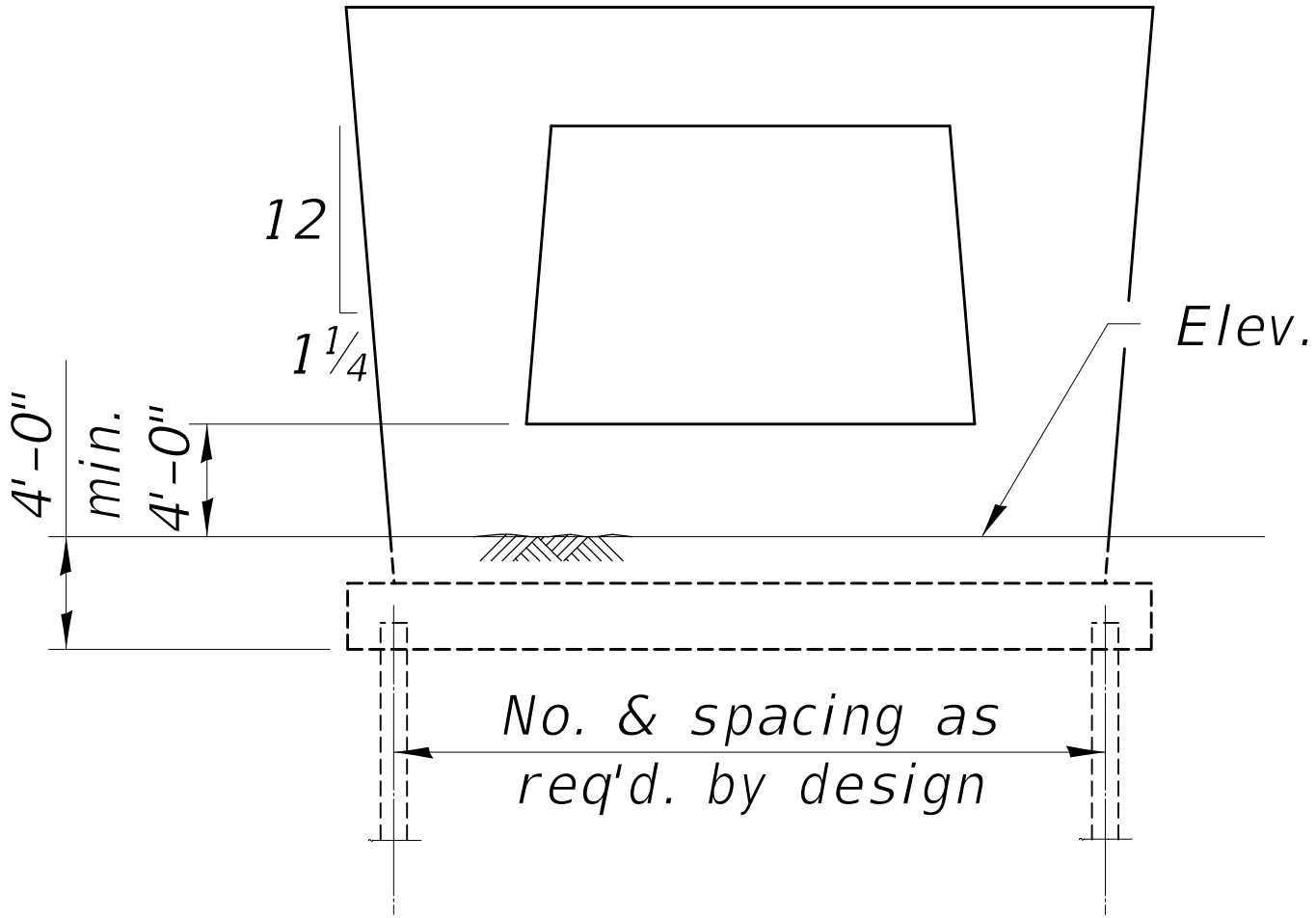
PIER SKETCH

Cell Name: P00087
Descrip: 4 column pier sketch



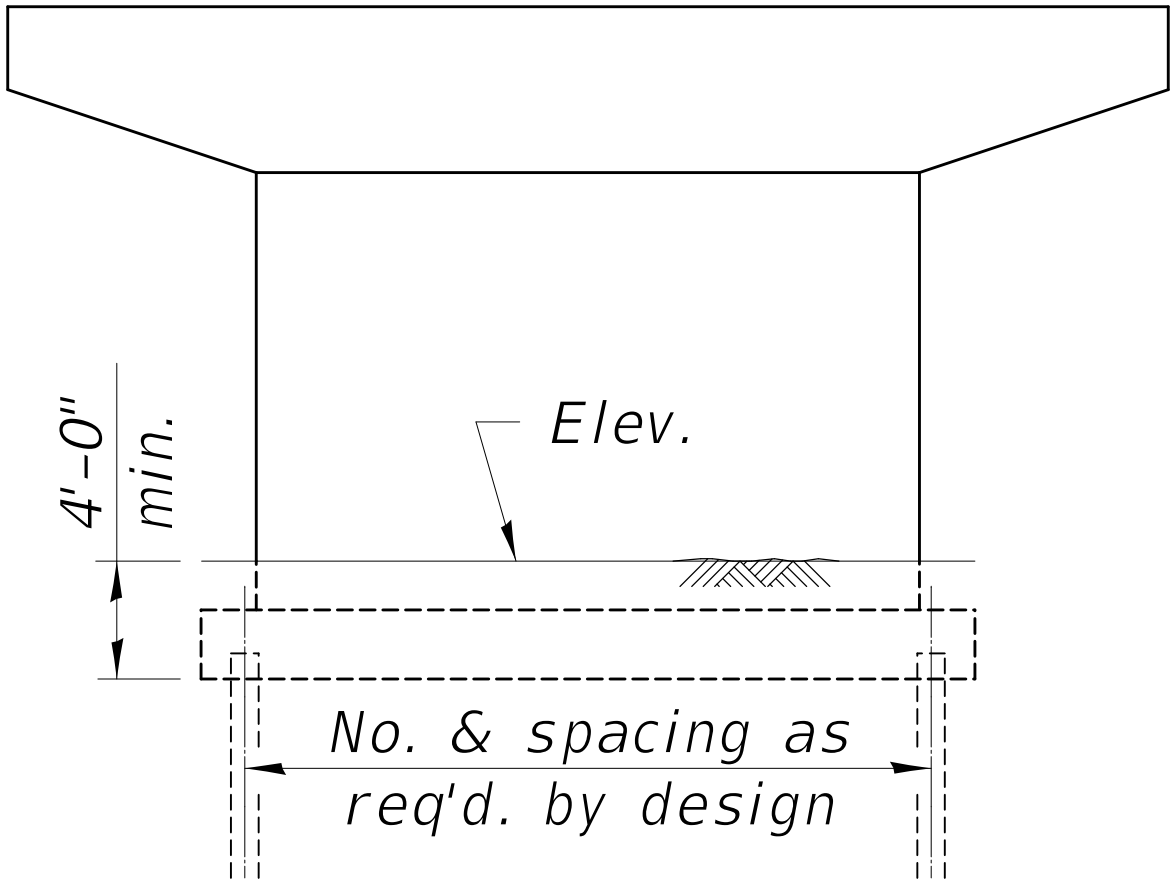
PIER SKETCH

Cell Name: P00088
Descrip: 2 column trapezoidal pier sketch



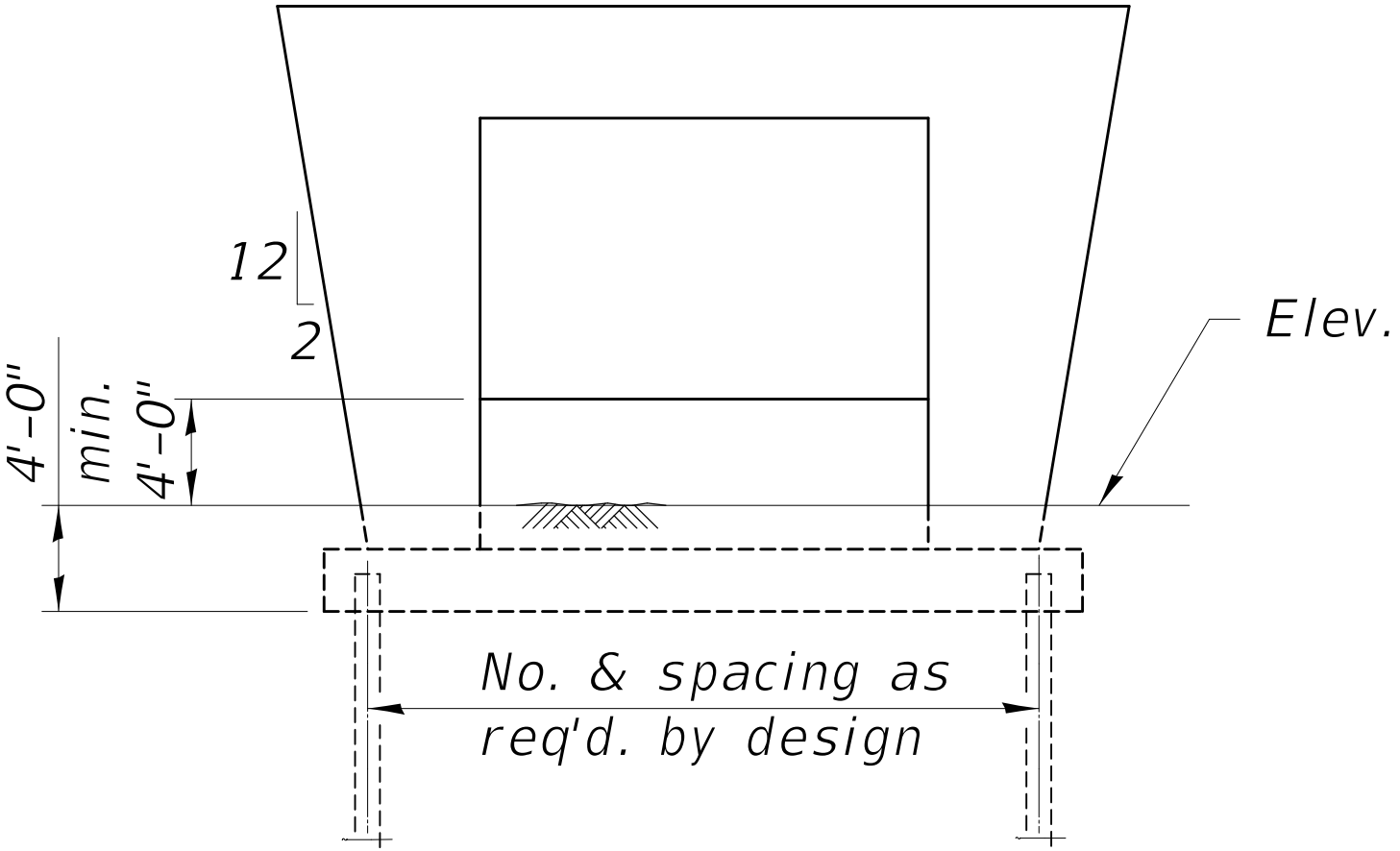
PIER SKETCH

Cell Name: P00089
Descrip: Solid hammerhead pier sketch



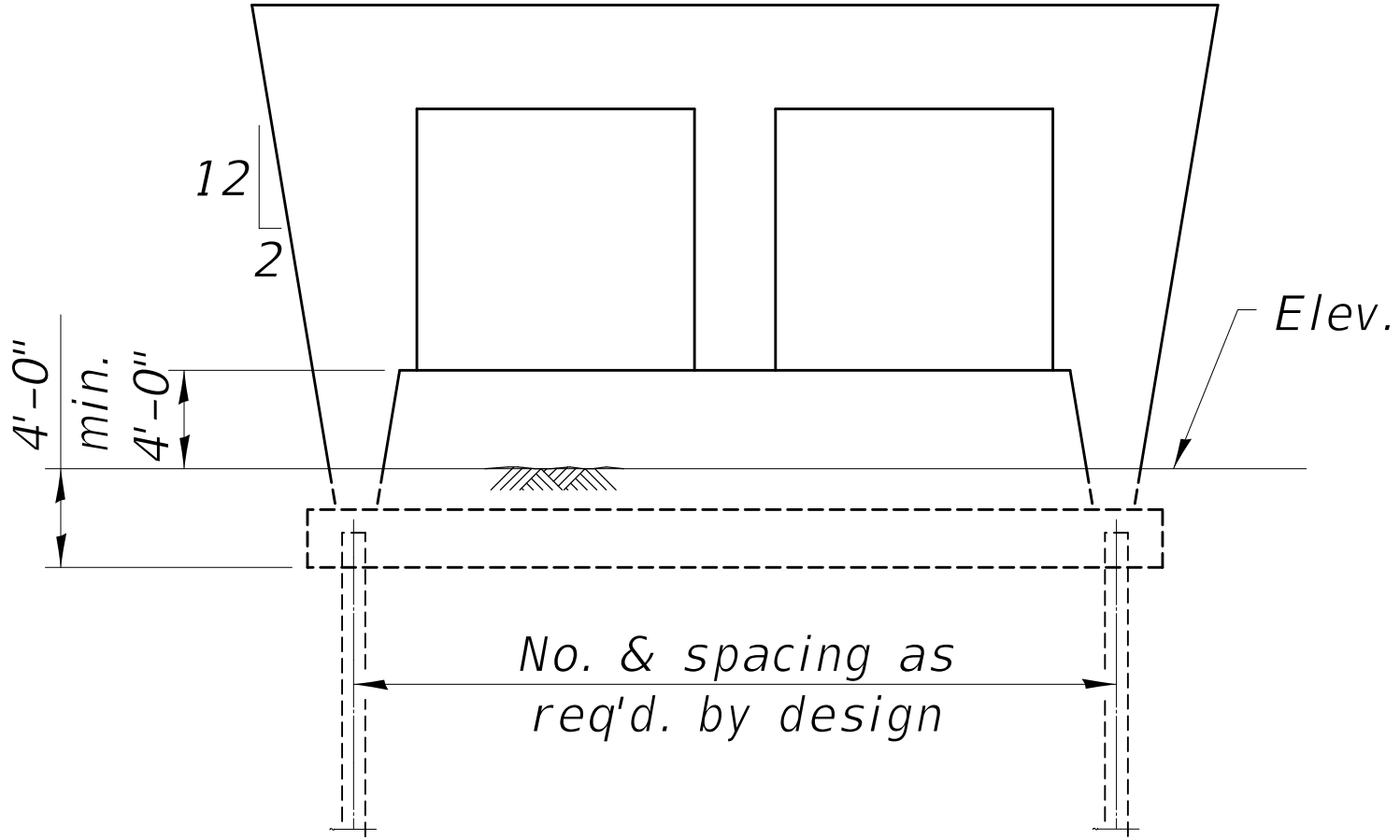
PIER SKETCH

Cell Name: P00090
Descrip: 2 column trapezoidal pier with spread footing sketch



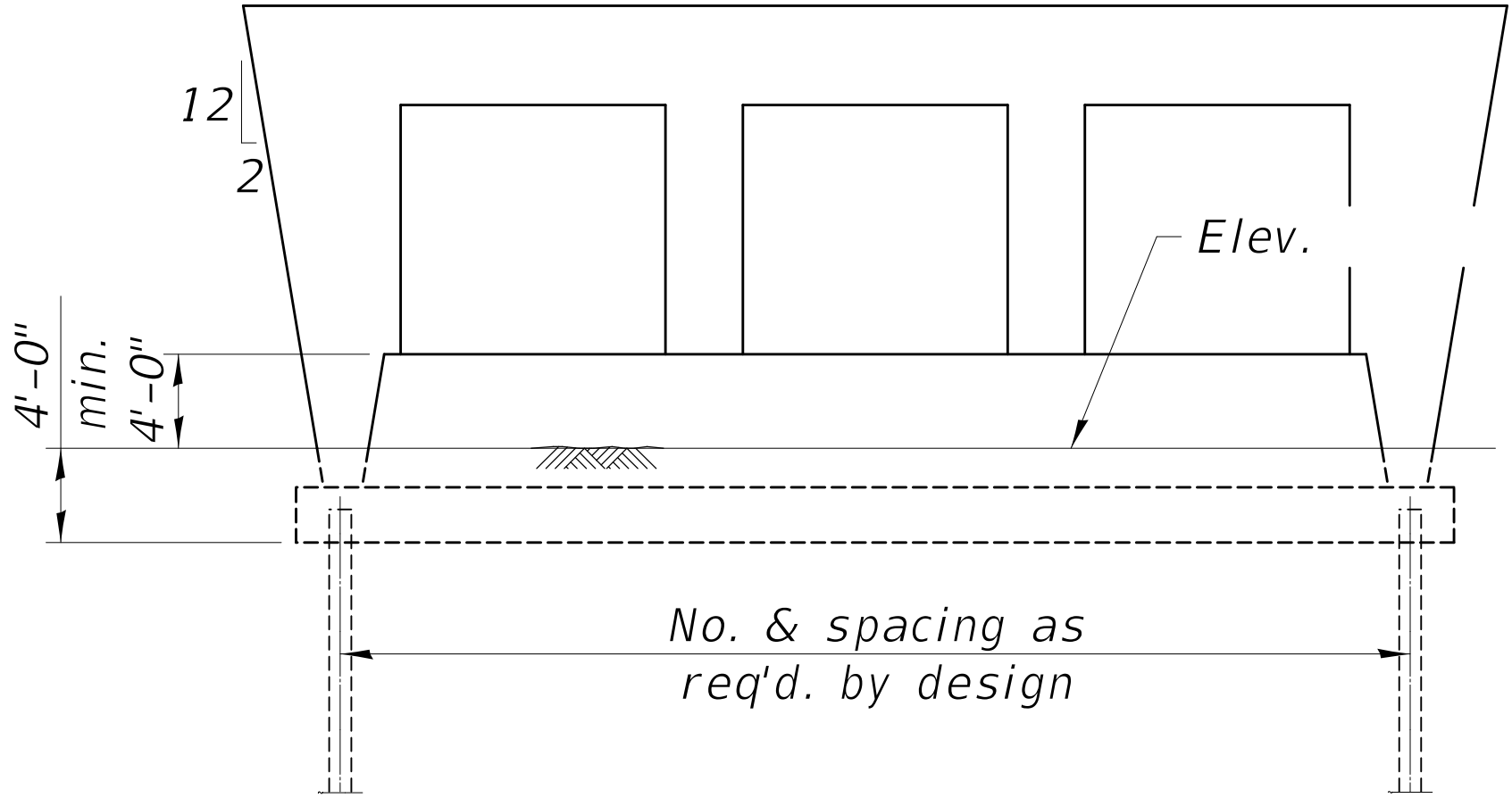
PIER SKETCH

Cell Name: P00091
Descrip: 3 column trapezoidal pier with spread footing sketch



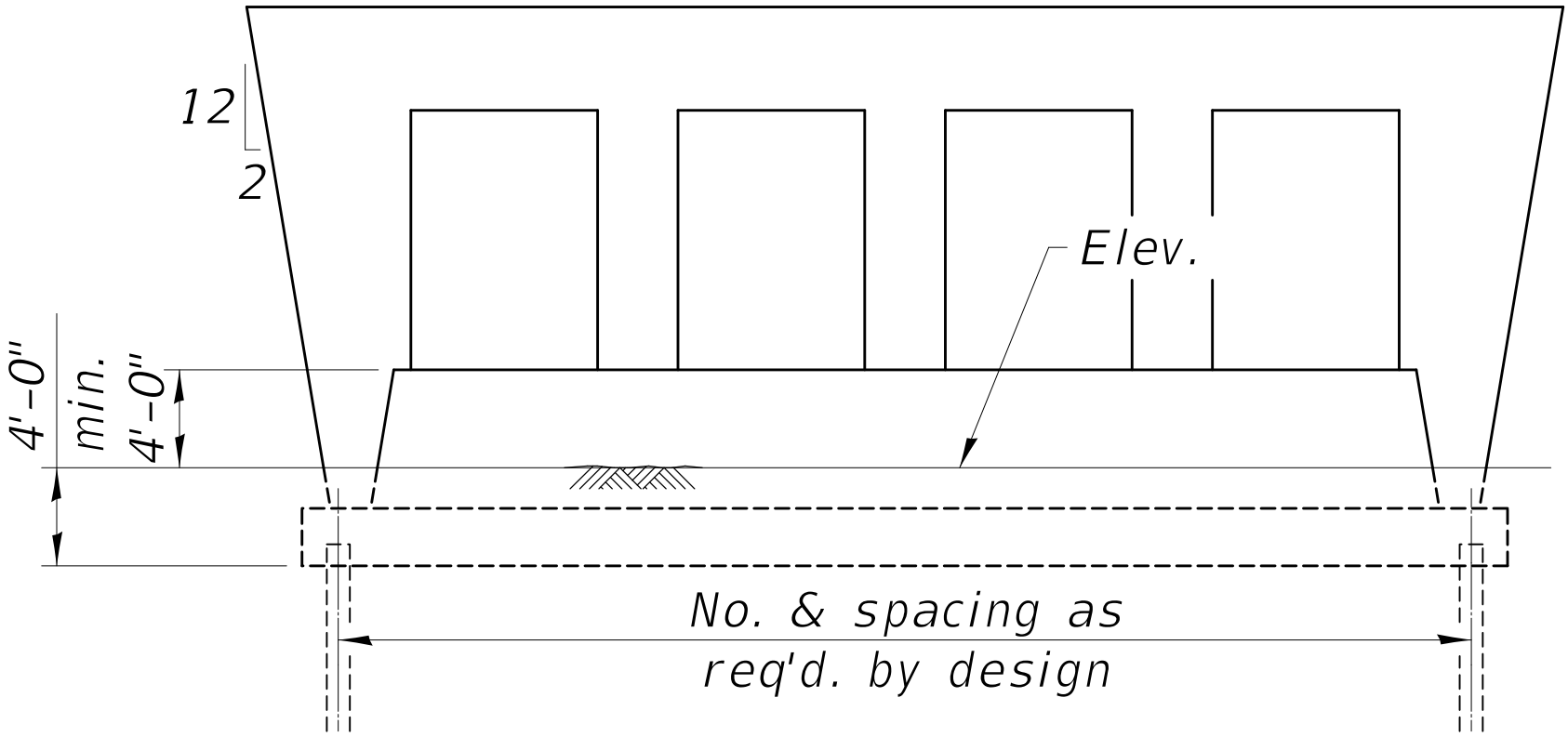
PIER SKETCH

Cell Name: P00092
Descrip: 4 column trapezoidal pier with spread footing sketch



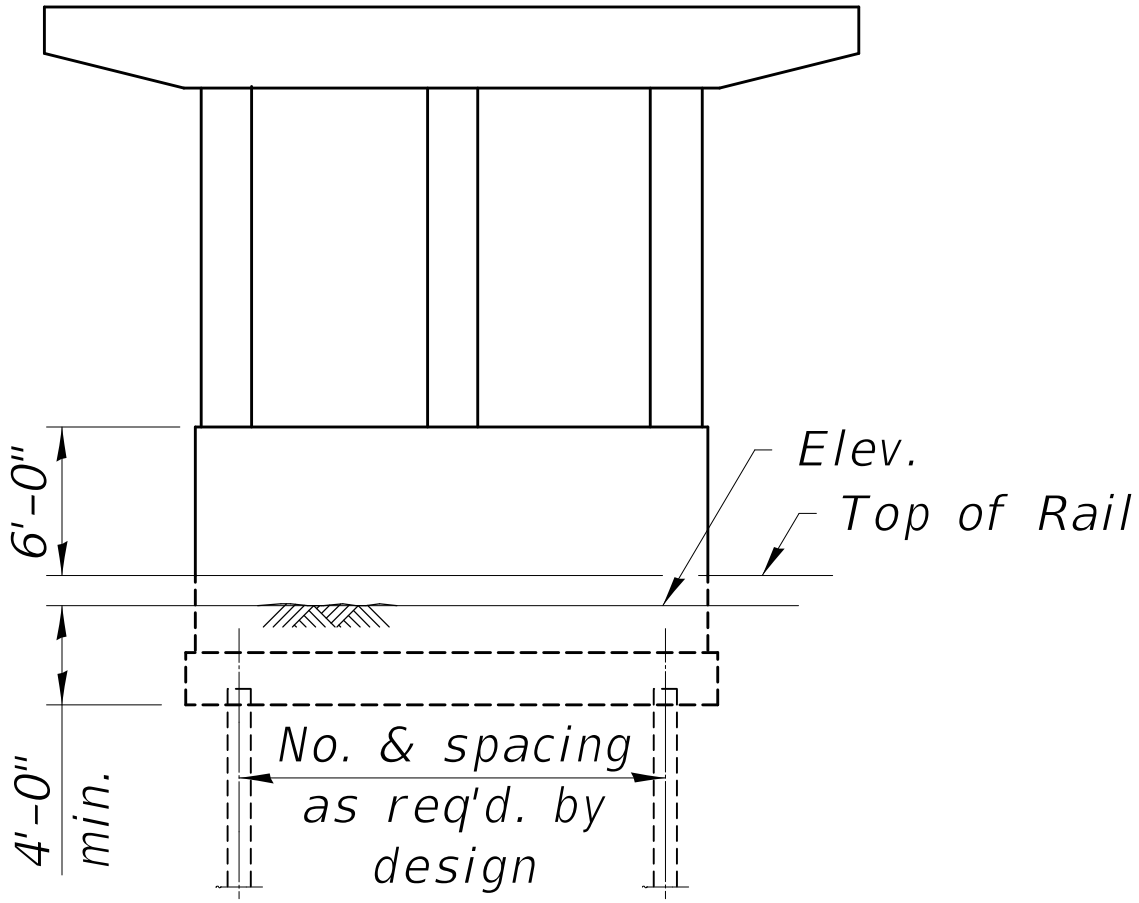
PIER SKETCH

Cell Name: P00093
Descrip: 5 column trapezoidal pier with spread footing sketch



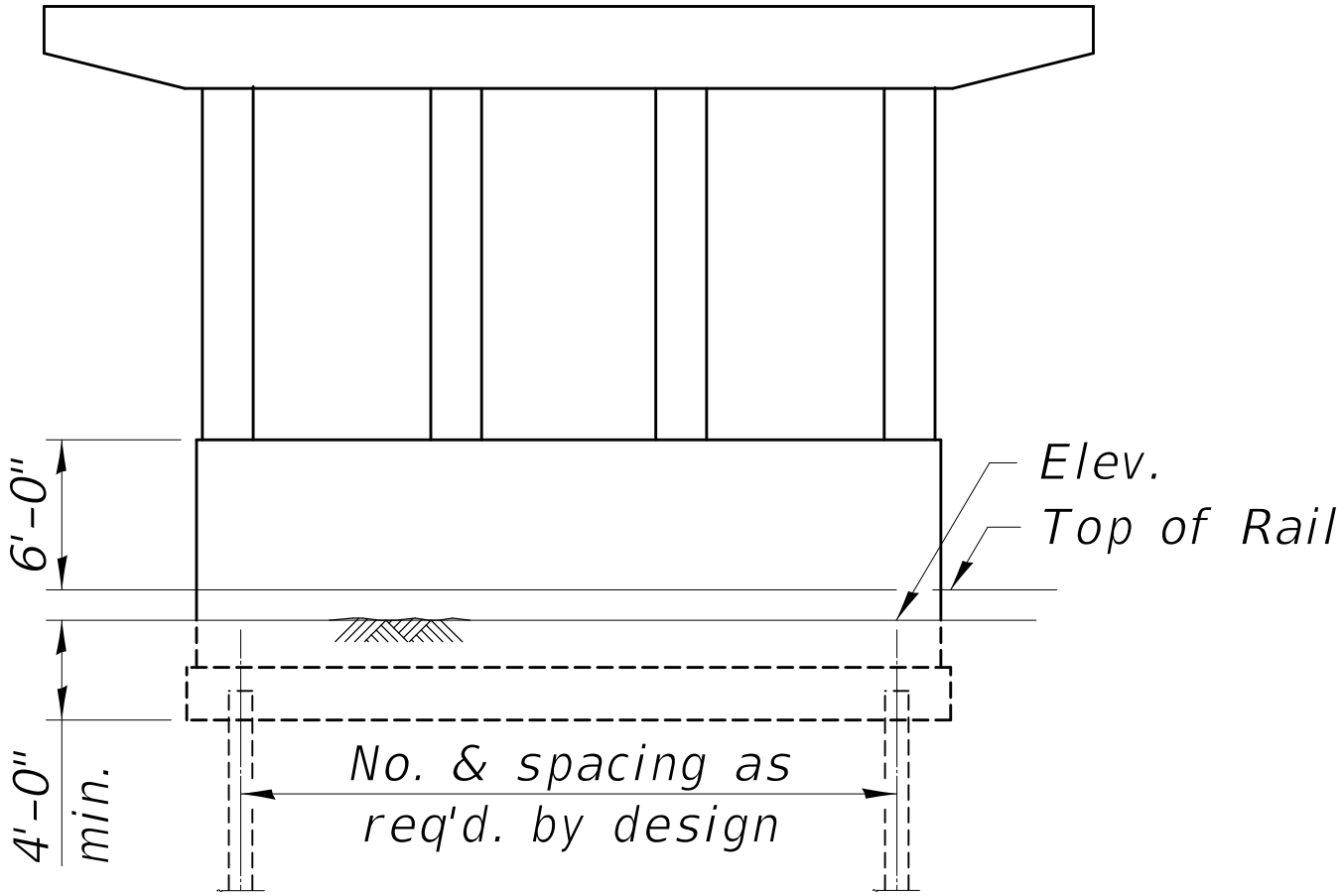
PIER SKETCH

Cell Name: P00094
Descrip: 2 bay railroad pier with round columns sketch



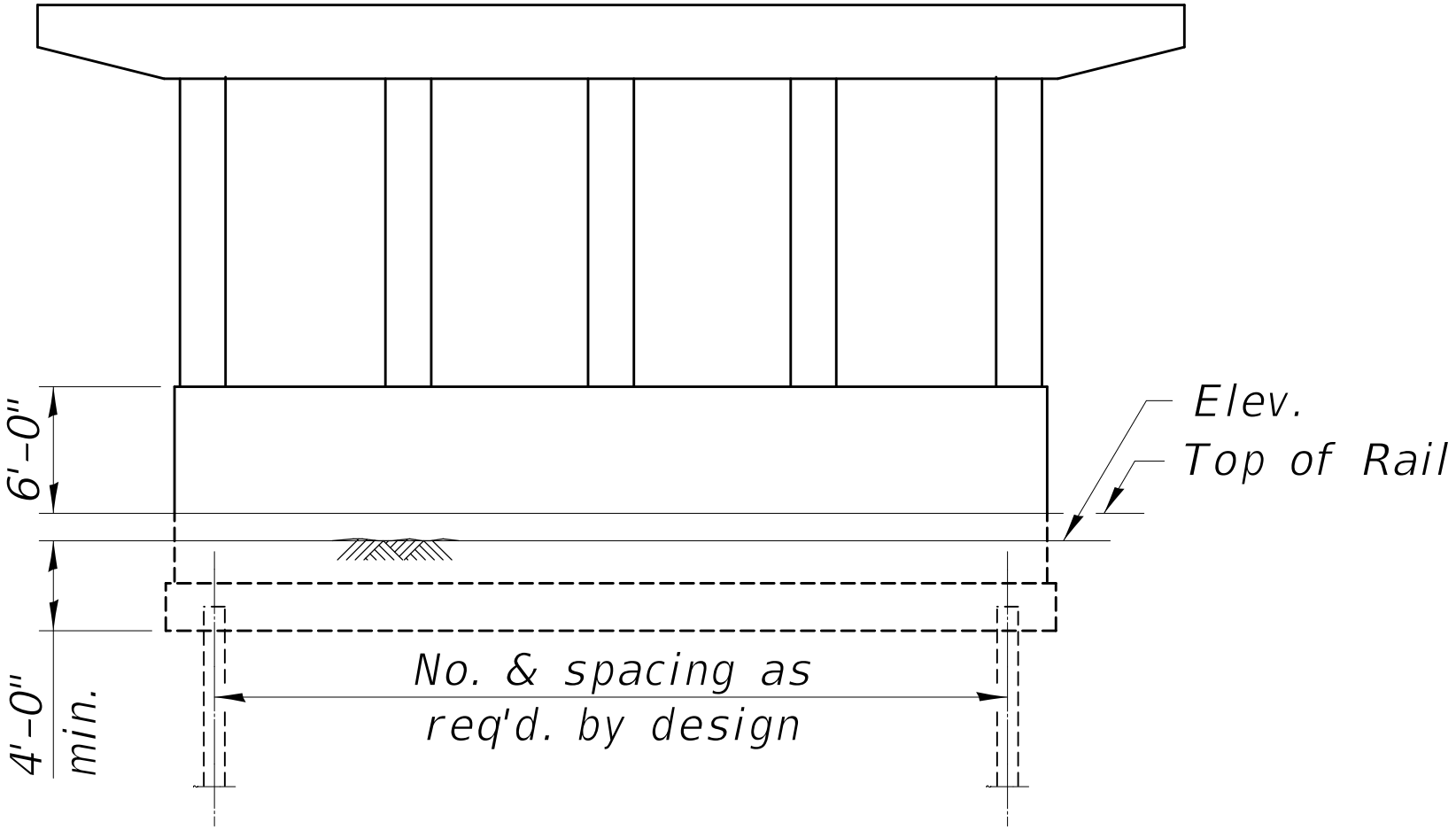
PIER SKETCH

Cell Name: P00095
Descrip: 3 bay railroad pier with round columns sketch



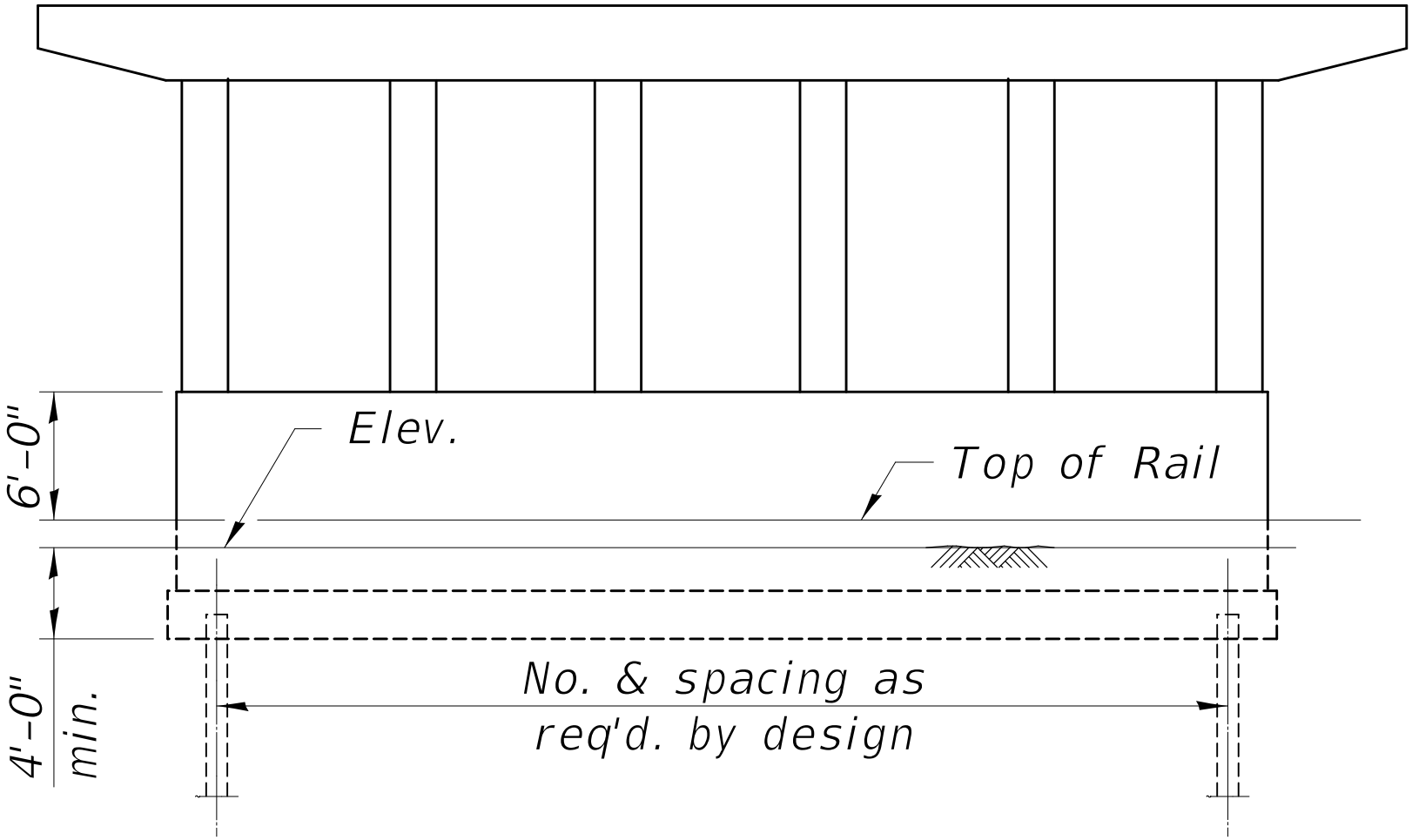
PIER SKETCH

Cell Name: P00096
Descrip: 4 bay railroad pier with round columns, modified, sketch



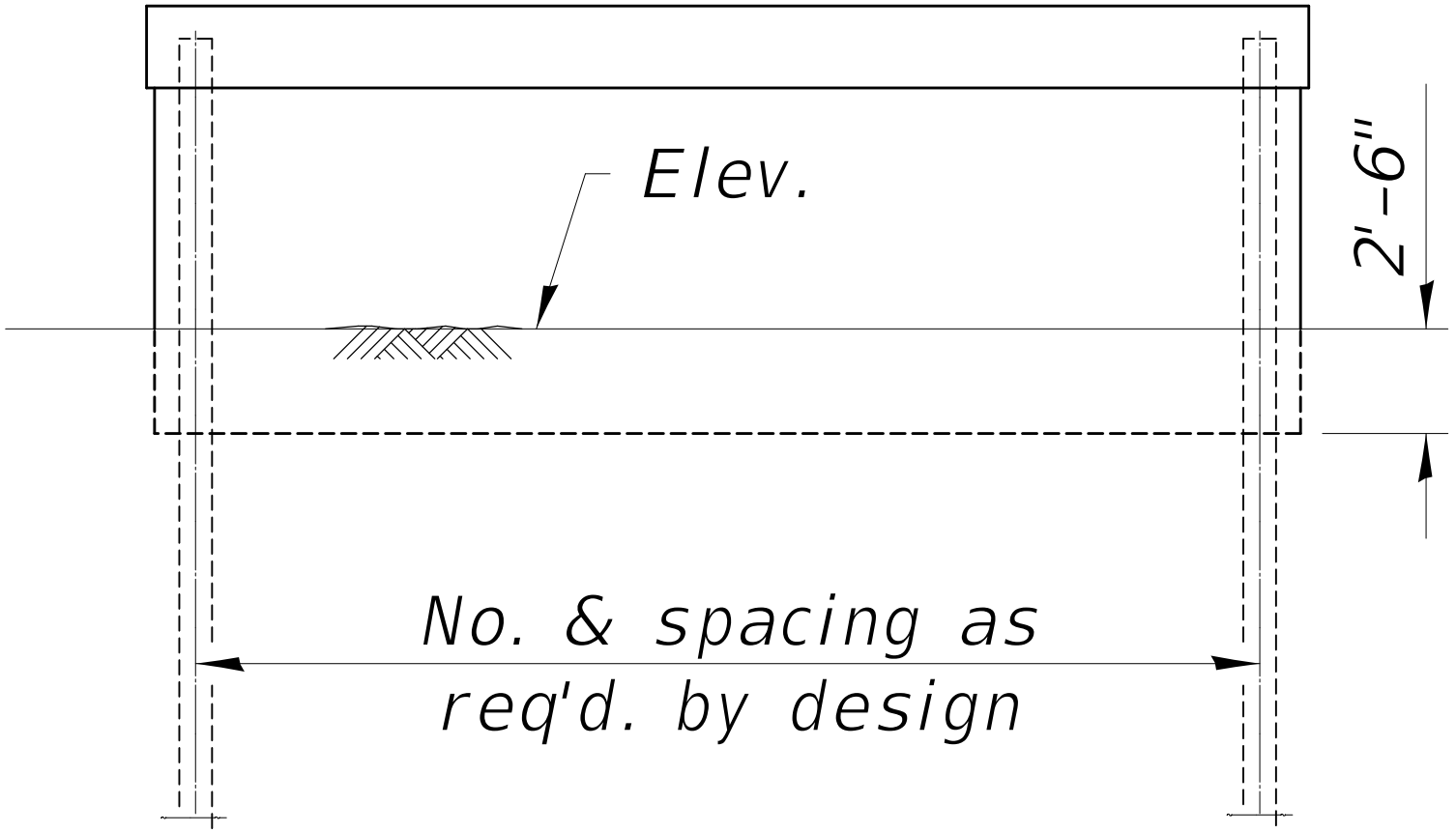
PIER SKETCH

Cell Name: P00097
Descrip: 5 bay railroad pier with round columns sketch



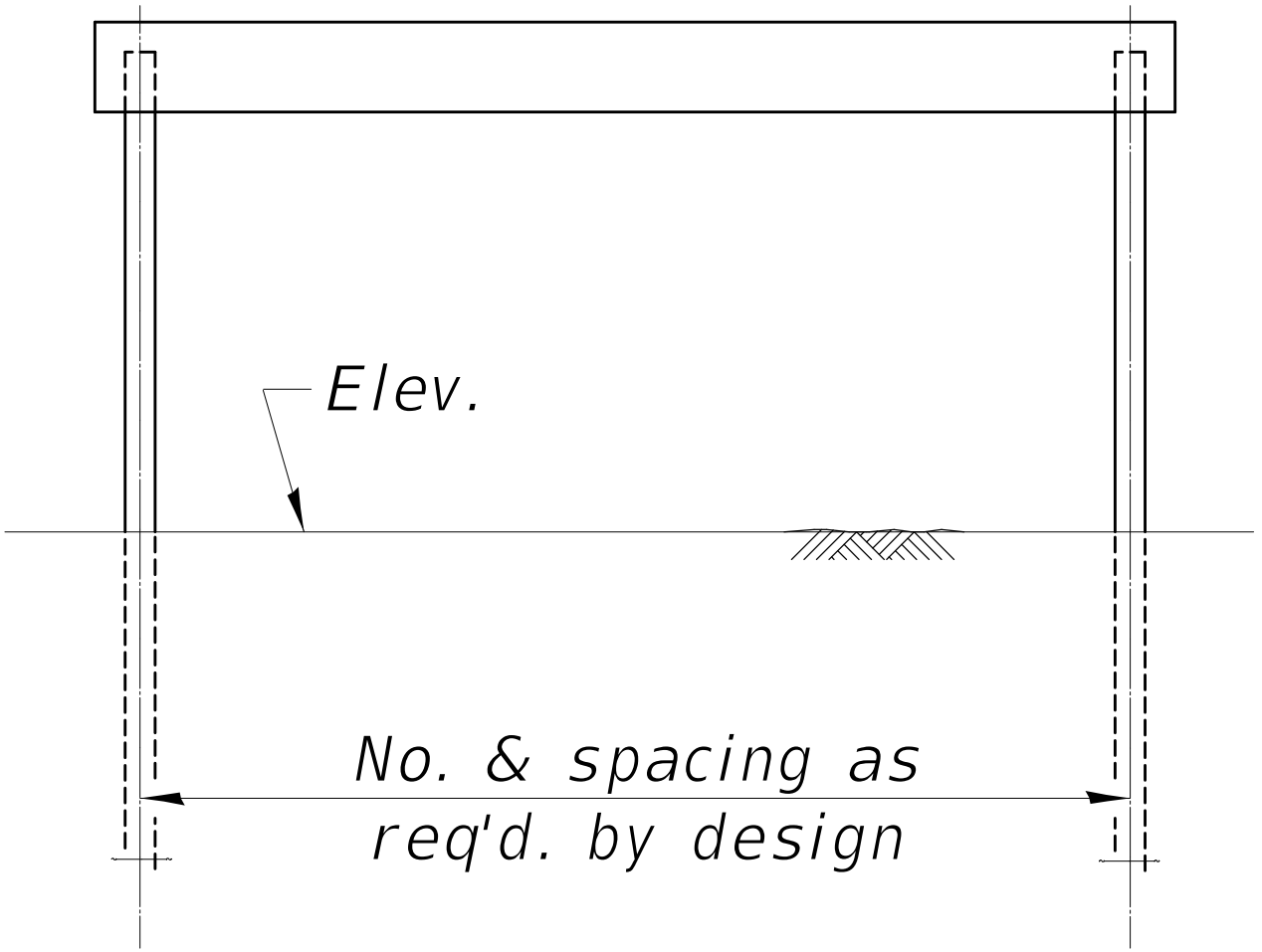
PIER SKETCH

Cell Name: P00098
Descrip: Encased pile bent pier sketch



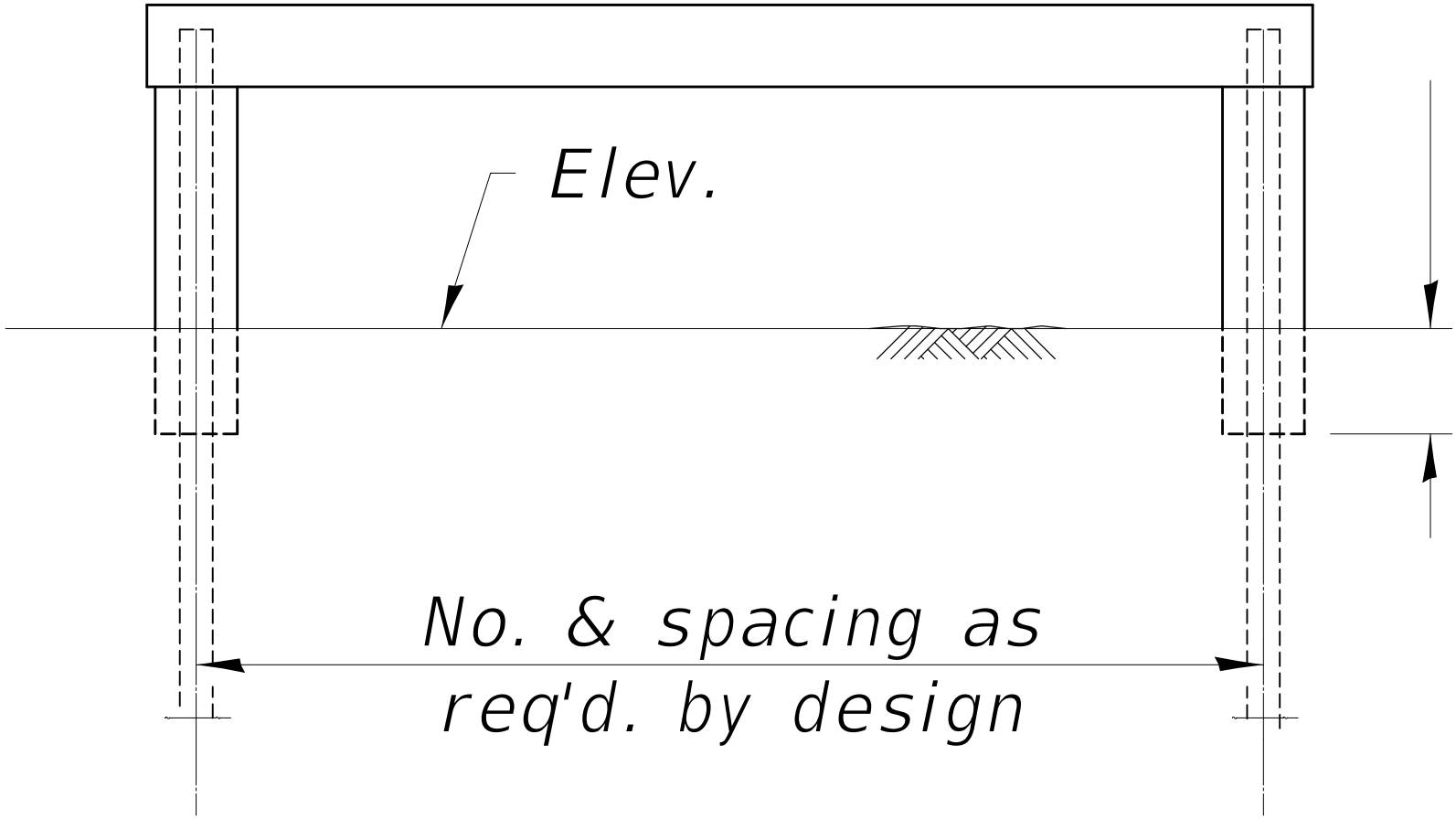
PIER SKETCH

Cell Name: P00099
Descrip: Pile bent pier sketch



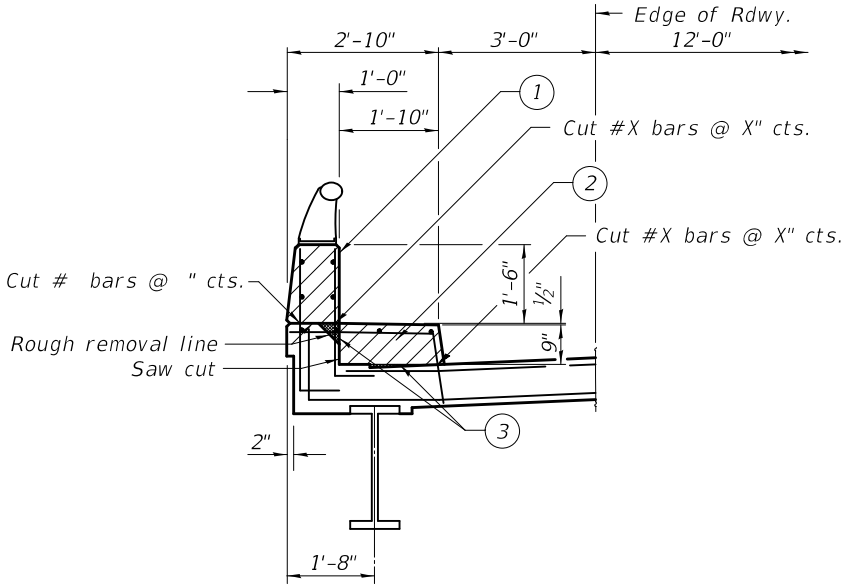
PIER SKETCH

Cell Name: P00100
Descrip: Individually encased pile bent pier sketch



PIER SKETCH

Cell Name: P00110
Descrip: Safety walk and parapet removal details



SAFETY WALK & PARAPET REMOVAL DETAILS

(Existing Reinforcement shown in accordance with original plans)

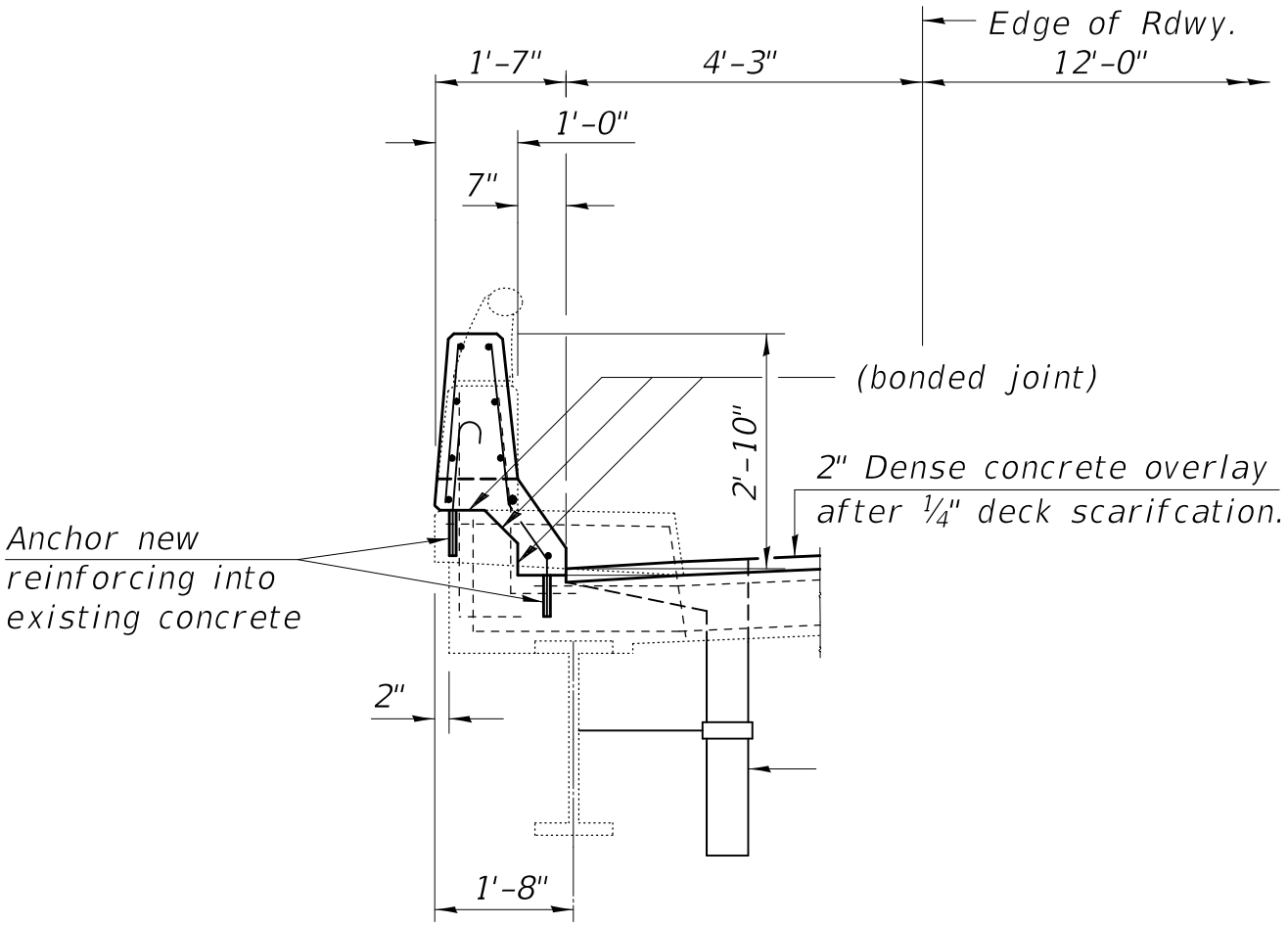
Parapet & Safety Walk Removal Sequence

1. Remove parapet above safety walk.
2. Saw cut safety walk as shown & remove to rough removal line.
3. Complete removal to finish line with light hammer (45# or less) or waterjet only.

Notes to Designer

1. Bill retrofit as "Concrete Parapet & Safety Walk Removal and Retrofit." in Linear Feet.
2. Concrete removal for drain replacement should be billed as Concrete Removal and Class X Concrete.

Cell Name: P00111
Descrip: Parapet retrofit detail



PARAPET RETROFIT DETAIL